DOCUMENT STATUS	
FOR INFORMATION	☐
COMMENTED	☐
APPROVED WITH COMMENTS	☐
APPROVED FOR DESIGN/CONSTRUCTION	☐
REJECTED	☐

EMERSON™

GENERAL AND INTERNAL ARRANGEMENT DRAWING -

TANK FARM TEXTURIZING, MNA, WICA

DCS SERANG PROJECT

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPROVED BY
0	AS BUILT	29/08/19	AS/NAM	LKL	MNI
A	ISSUE FOR COMMENT	27/11/18	AS	LKL	MNI

CUSTOMER : WILMAR INDUSTRIAL COMPLEX PT MNA SERANG, INDONESIA
CONTRACT NO. : –
PROJECT TITLE : DCS SERANG PROJECT
CUSTOMER PROJECT NO. : –

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS
SIZE: A3
UNITS: mm (inch)
© 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: COVER SHEET

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00015
CUSTOMER DRAWING NO.: –

SHEET NO: 001
REV.: 0

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DRAWING INDEX & REVISION

DRAWING NO.		DRAWING TITLE	DATE	REV.	DATE	REV.	DATE	REV.	DATE	REV.	DATE	REV.	DATE	REV.
3258585-PSS-PASH-DWG-00015	SHT.001	COVER SHEET	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.002	DRAWING INDEX & REVISION	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.003	RIO CABINET – TF1-RIO-001 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.004	RIO CABINET – TF1-RIO-001 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.005	RIO CABINET – TF1-RIO-001 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.006	RIO CABINET – TF1-RIO-002 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.007	RIO CABINET – TF1-RIO-002 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.008	RIO CABINET – TF1-RIO-002 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.009	RIO CABINET – TF1-RIO-003 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.010	RIO CABINET – TF1-RIO-003 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.011	RIO CABINET – TF1-RIO-003 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.012	RIO CABINET – TF2-RIO-001 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.013	RIO CABINET – TF2-RIO-001 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.014	RIO CABINET – TF2-RIO-001 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.015	RIO CABINET – TF2-RIO-002 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.016	RIO CABINET – TF2-RIO-002 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.017	RIO CABINET – TF2-RIO-002 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.018	RIO CABINET – TF2-RIO-003 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.019	RIO CABINET – TF2-RIO-003 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.020	RIO CABINET – TF2-RIO-003 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.021	RIO CABINET – TXO-RIO-001 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.022	RIO CABINET – TXO-RIO-001 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.023	RIO CABINET – TXO-RIO-001 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.024	RIO CABINET – TXO-RIO-002 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.025	RIO CABINET – TXO-RIO-002 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.026	RIO CABINET – TXO-RIO-002 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.027	RIO CABINET – TXO-RIO-003 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.028	RIO CABINET – TXO-RIO-003 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.029	RIO CABINET – TXO-RIO-003 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.030	RIO CABINET – TXO-RIO-004 – (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.031	RIO CABINET – TXO-RIO-004 – (FRONT VIEW, SECTION A-A & SECTION B-B)	27/11/18	A	29/08/19	0								
3258585-PSS-PASH-DWG-00015	SHT.032	RIO CABINET – TXO-RIO-004 – BILL OF MATERIAL	27/11/18	A	29/08/19	0								

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

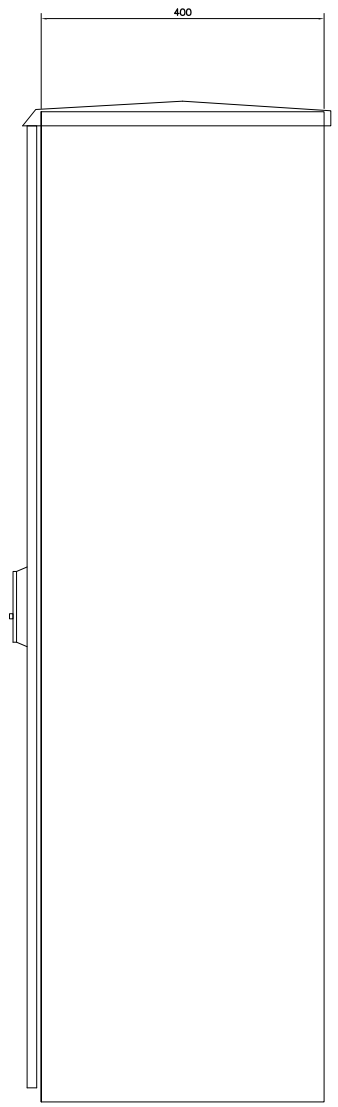
EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: DRAWING INDEX & REVISION

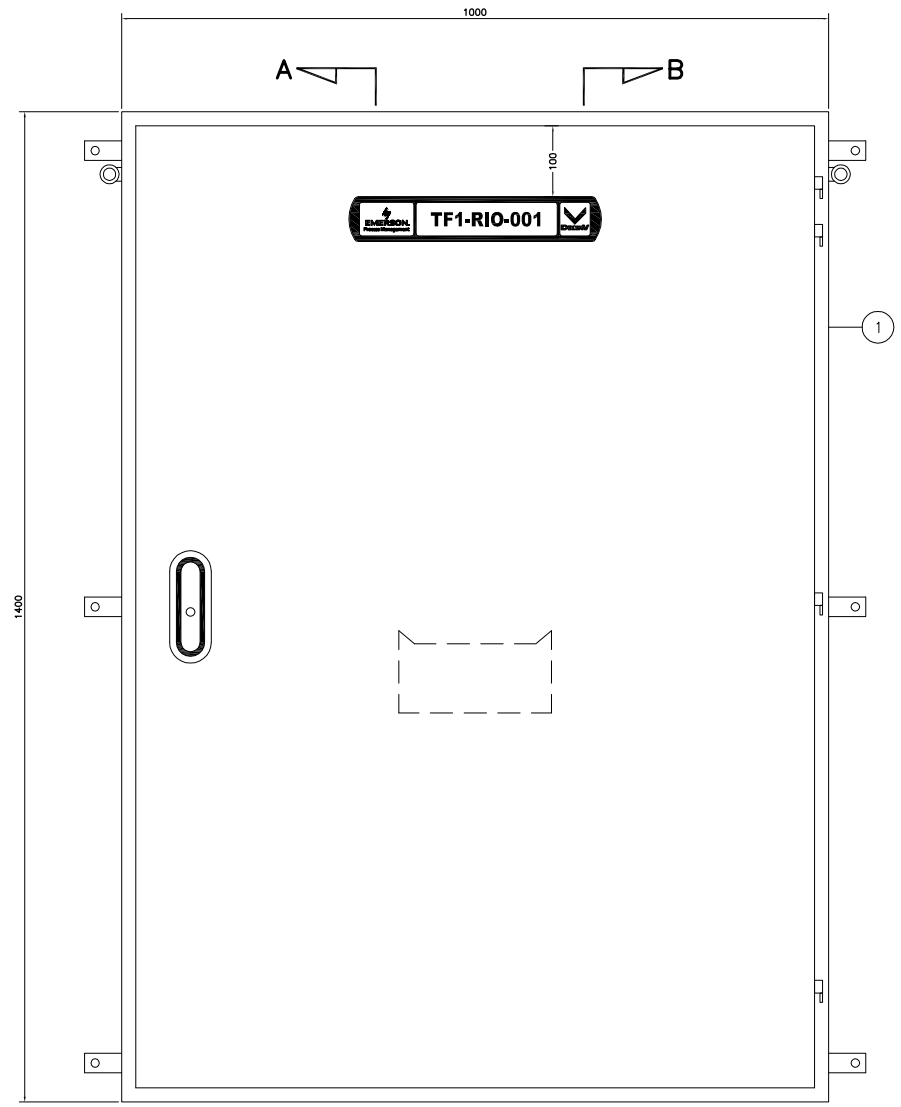
EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00015
CUSTOMER DRAWING NO.: –

SHEET NO: 002
REV.: 0

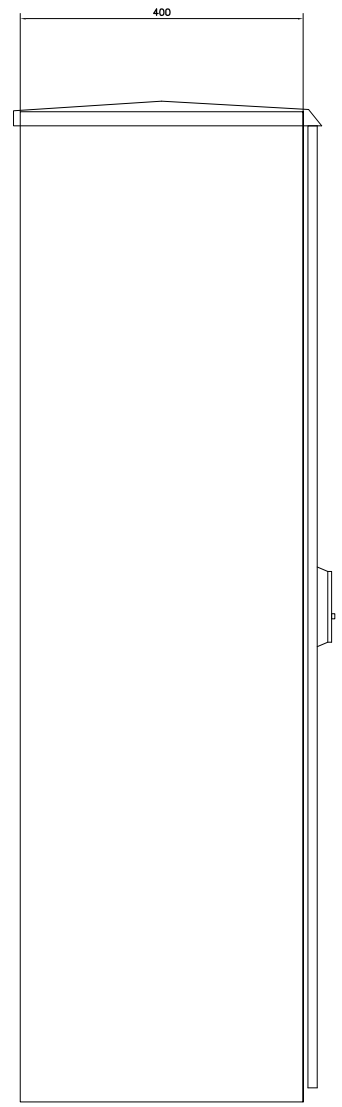
THIS DRAWING IS THE PROPERTY OF EMERSON PROCESS MANAGEMENT. INFORMATION AND KNOW HOW HEREIN ARE CONFIDENTIAL AND MAY NOT BE USED, REPRODUCED OR REVEALED TO OTHERS EXCEPT IN ACCORDANCE WITH CONTRACT OR OTHER WRITTEN CONSENT OF EMERSON PROCESS MANAGEMENT. ANY PERMITTED REPRODUCTION IN WHOLE OR IN PART, INCLUDING SHOP DRAWINGS MUST BEAR OR REFER TO THIS LEGEND.



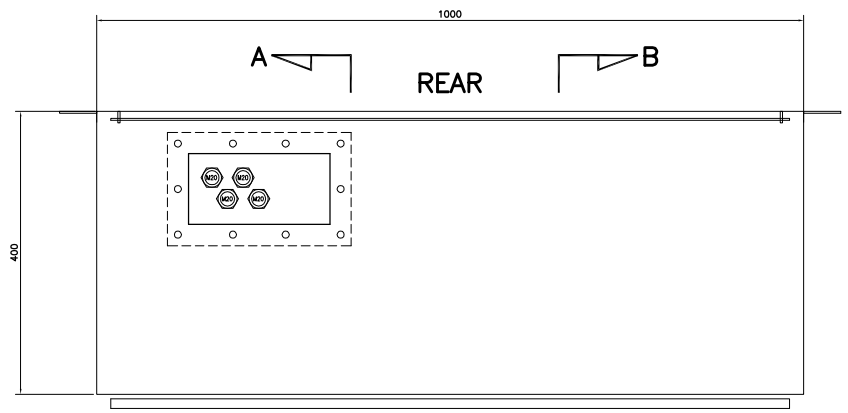
LEFT SIDE VIEW
RIO CABINET – TF1–RIO–001



A FRONT DOOR VIEW B
RIO CABINET – TF1–RIO–001



RIGHT SIDE VIEW
RIO CABINET – TF1–RIO–001



FRONT
A BOTTOM VIEW B
RIO CABINET – TF1–RIO–001

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF1–RIO–001 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 003
			UNITS: mm (inch) / © 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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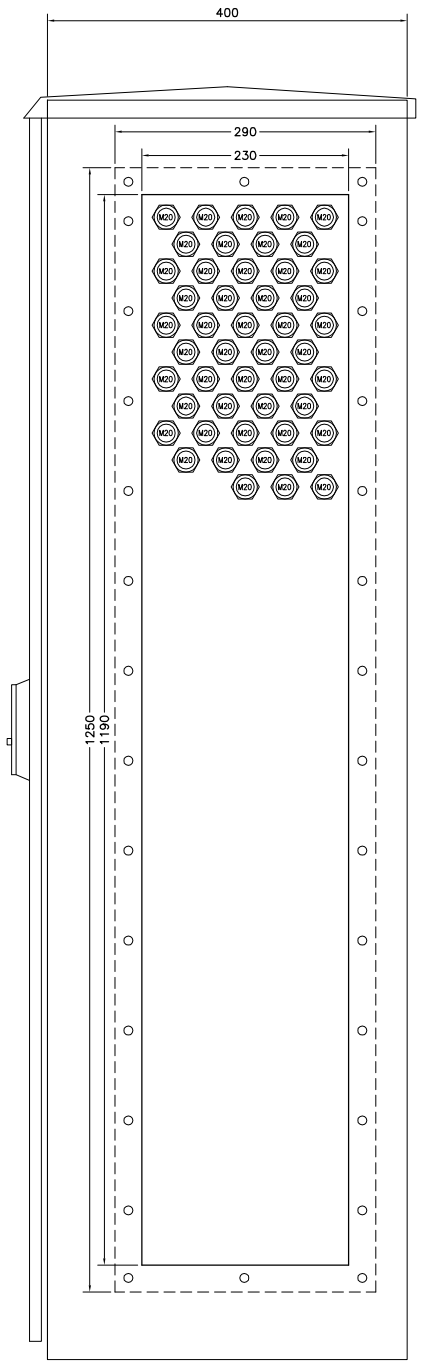
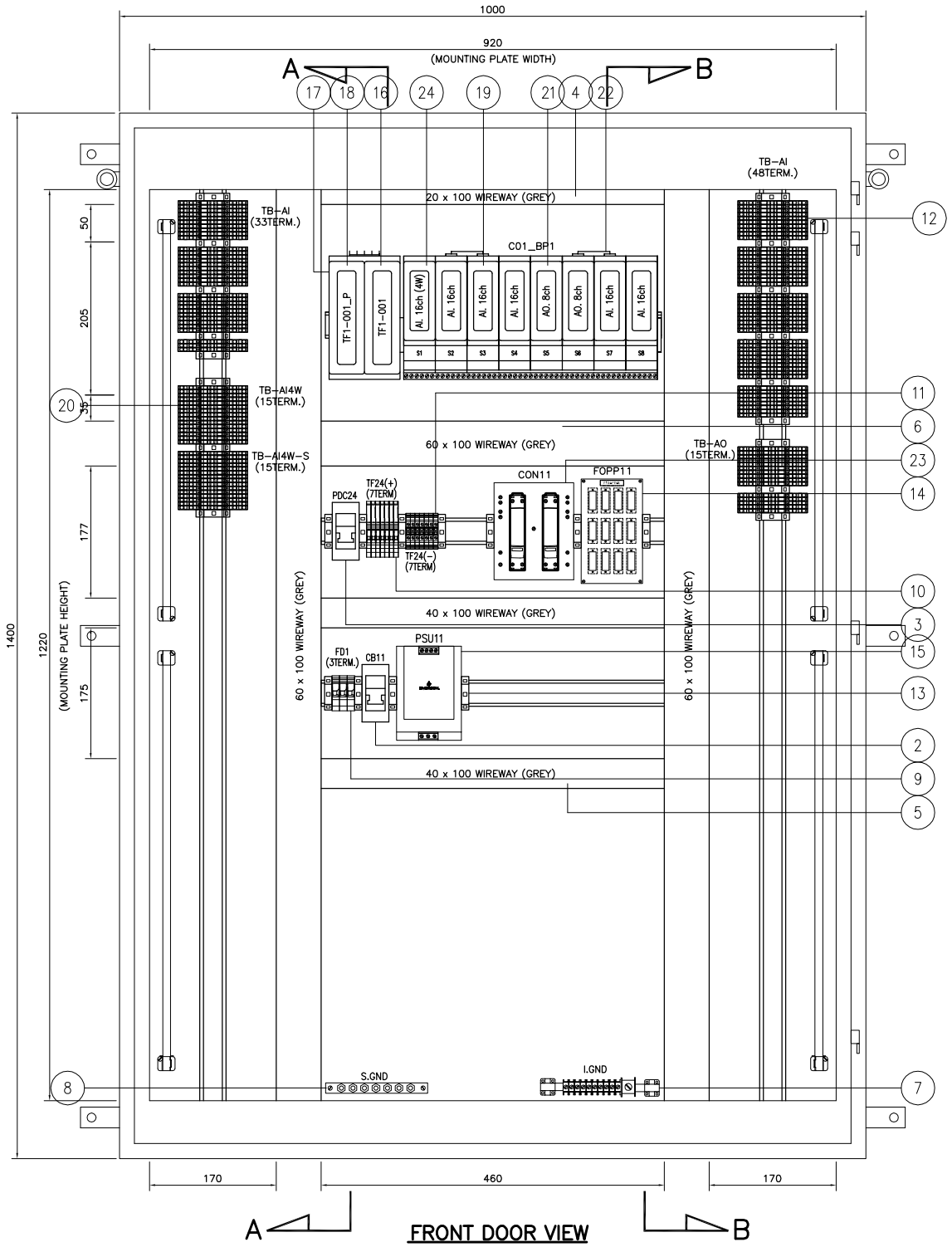
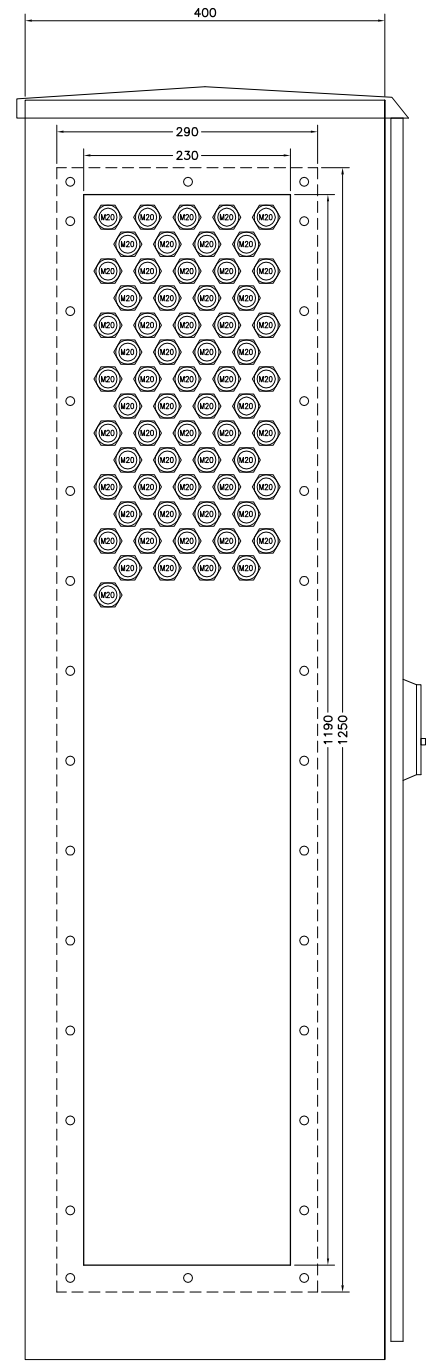


LEFT SIDE VIEW
RIO CABINET – TF1–RIO–001



FRONT DOOR VIEW
RIO CABINET – TF1–RIO–001



RIGHT SIDE VIEW
RIO CABINET – TF1–RIO–001

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS / UNITS: mm (inch)	SIZE: A3 / © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF1–RIO–001 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 004 REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD–3262869–02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	7 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	112 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; I/O TERMINATION BLOCK	VE4003S2B6	5 PCS	EMERSON PROCESS
20	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	15 PCS	WAGO
21	ANALOG OUTPUT, 8 CHANNELS 4–20 MA, HART, STANDARD I/O TERMINATION BLOCK	VE4005S2B1	2 PCS	EMERSON PROCESS
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; 4–WIRE; I/O TERMINATION BLOCK	VE4003S2B7	1 PC	EMERSON PROCESS
25				
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TF1–RIO–001 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 005
REV.: 0

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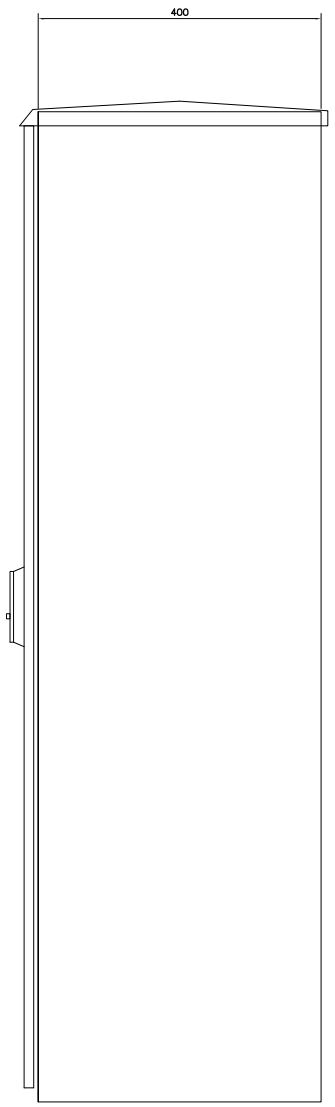
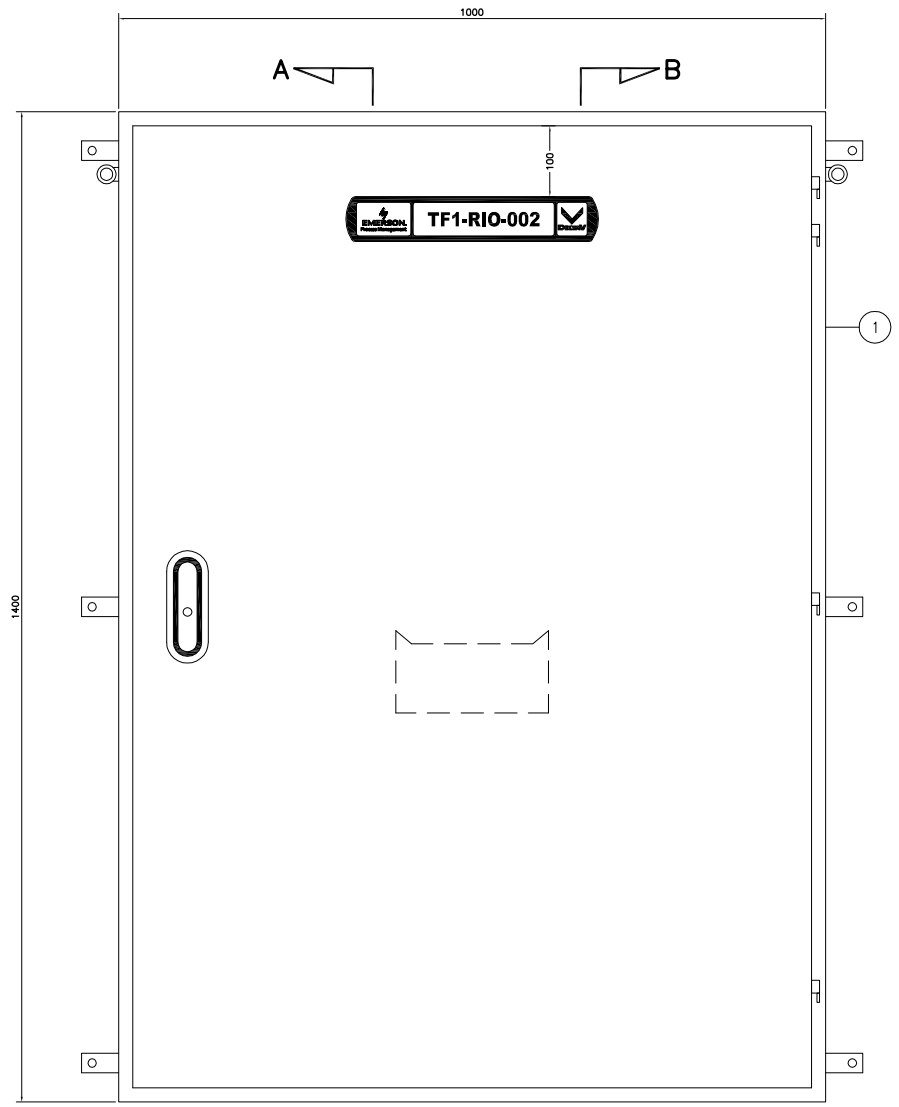
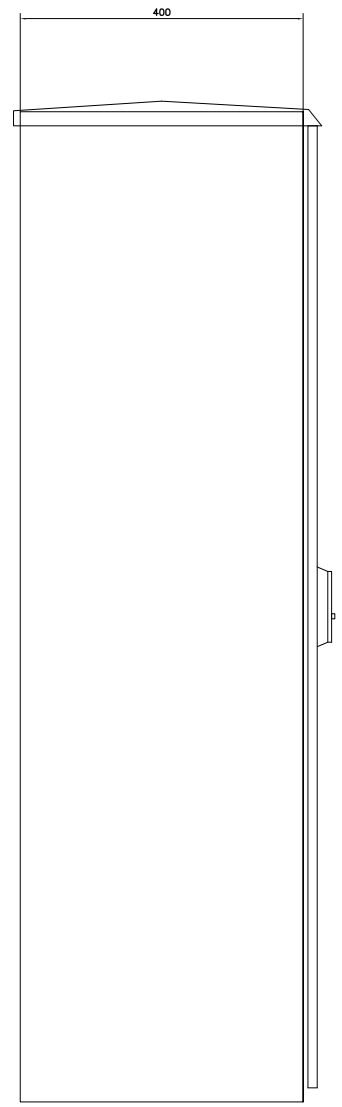


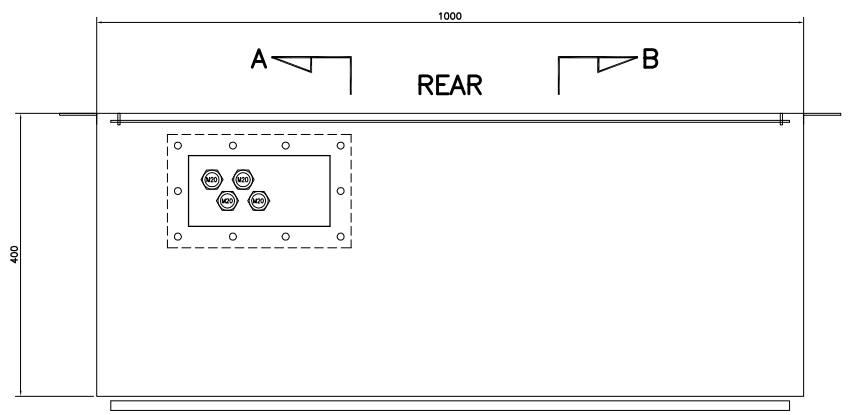
LEFT SIDE VIEW
RIO CABINET – TF1–RIO–002



A FRONT DOOR VIEW B
RIO CABINET – TF1–RIO–002



RIGHT SIDE VIEW
RIO CABINET – TF1–RIO–002



FRONT
A BOTTOM VIEW B
RIO CABINET – TF1–RIO–002

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF1–RIO–002 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 006
			UNITS: mm (inch) / © 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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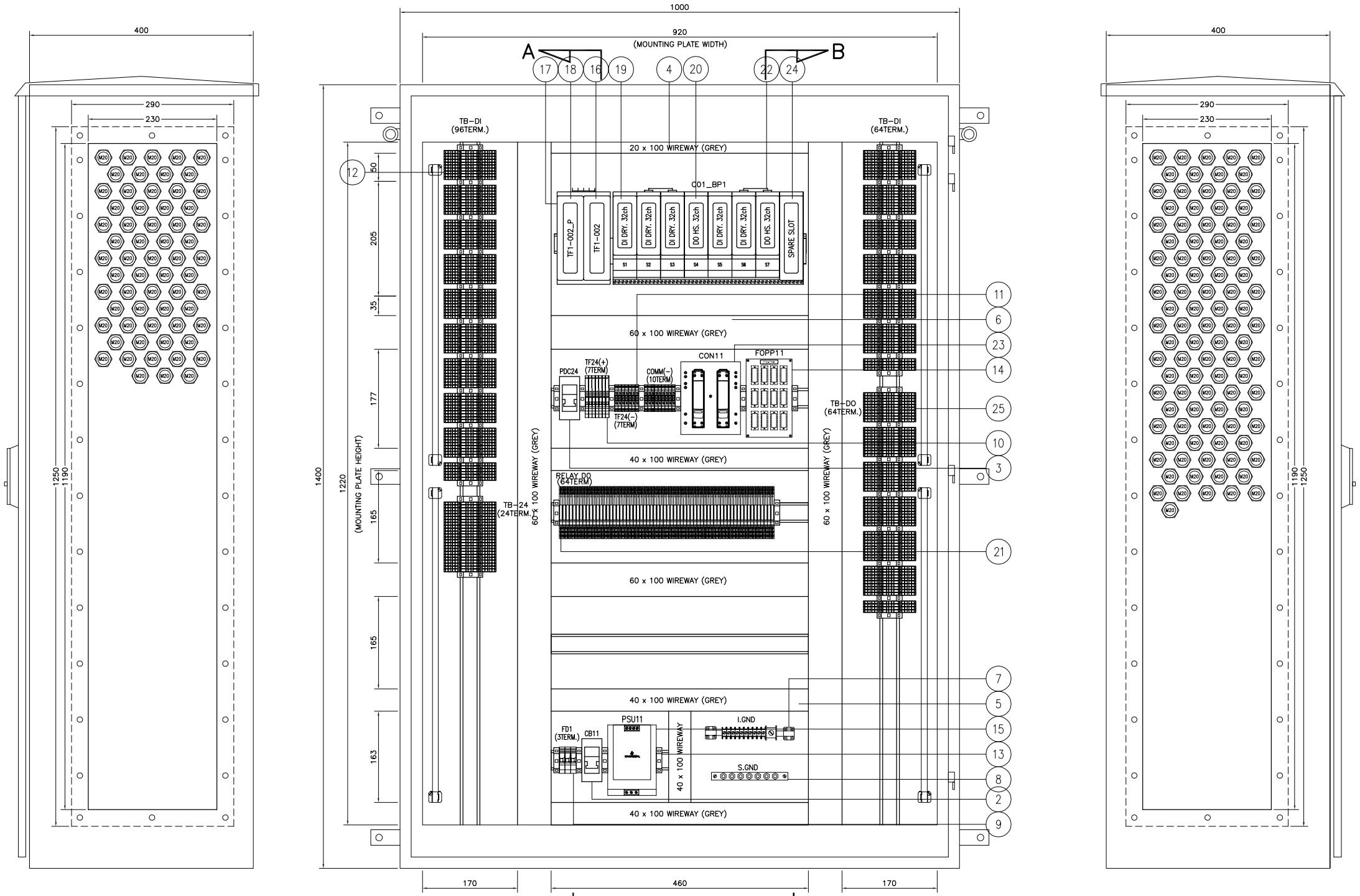

LEFT SIDE VIEW
RIO CABINET – TF1–RIO–002

FRONT DOOR VIEW
RIO CABINET – TF1–RIO–002

RIGHT SIDE VIEW
RIO CABINET – TF1–RIO–002

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS	SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF1–RIO–002 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 007
			UNITS: mm (inch)	© 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD–3262869–02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	17 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	160 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK	VE4001S2T2B4	5 PCS	EMERSON PROCESS
20	DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK	VE4002S1T2B5	2 PCS	EMERSON PROCESS
21	RELAY MODULE PLC–RSC–24DC/21	2966171	64 PCS	PHOENIX CONTACT
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	CARRIER BLANK CAP	VE6101	1 PC	EMERSON PROCESS
25	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	88 PCS	WAGO
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TF1–RIO–002 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 008
REV.: 0

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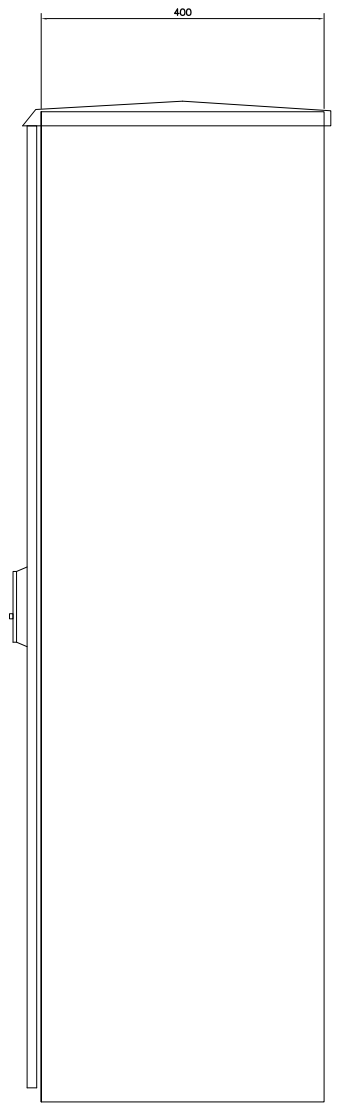
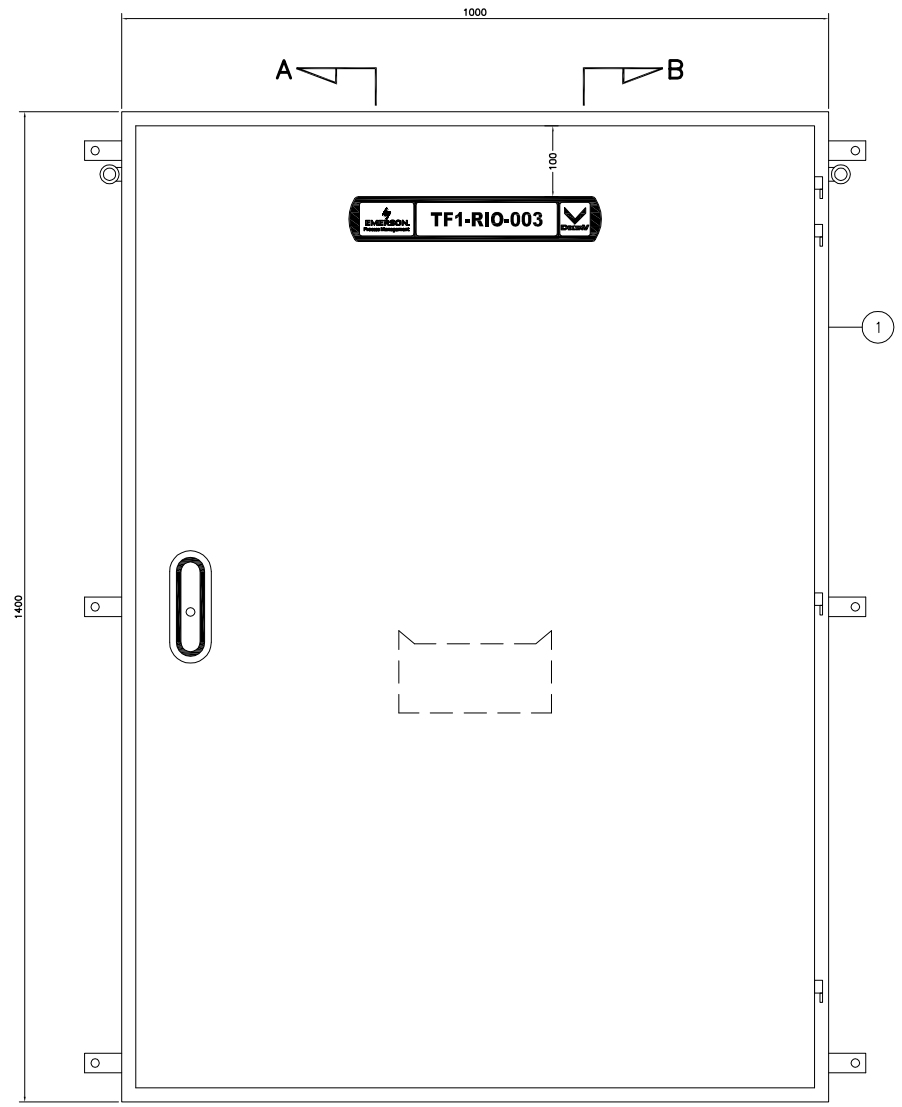
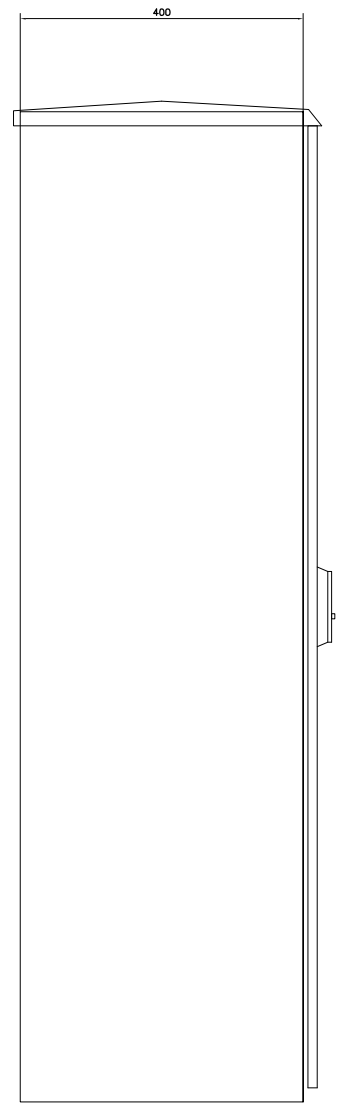


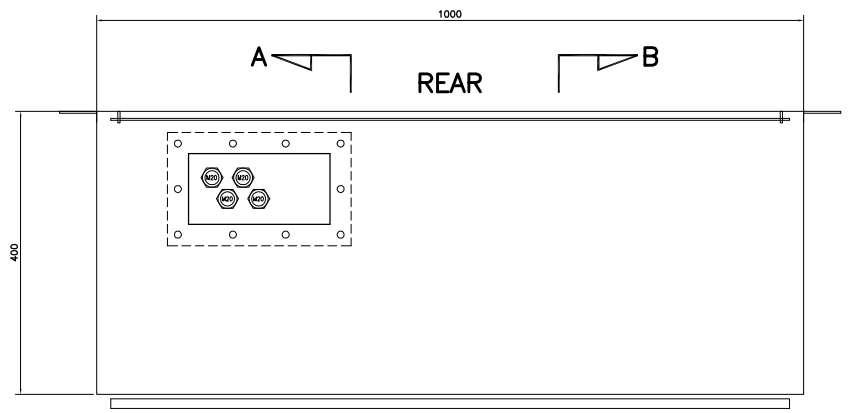
LEFT SIDE VIEW
RIO CABINET – TF1–RIO–003



A FRONT DOOR VIEW B
RIO CABINET – TF1–RIO–003



RIGHT SIDE VIEW
RIO CABINET – TF1–RIO–003



A BOTTOM VIEW B
RIO CABINET – TF1–RIO–003

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF1–RIO–003 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 009
			UNITS: mm (inch) / © 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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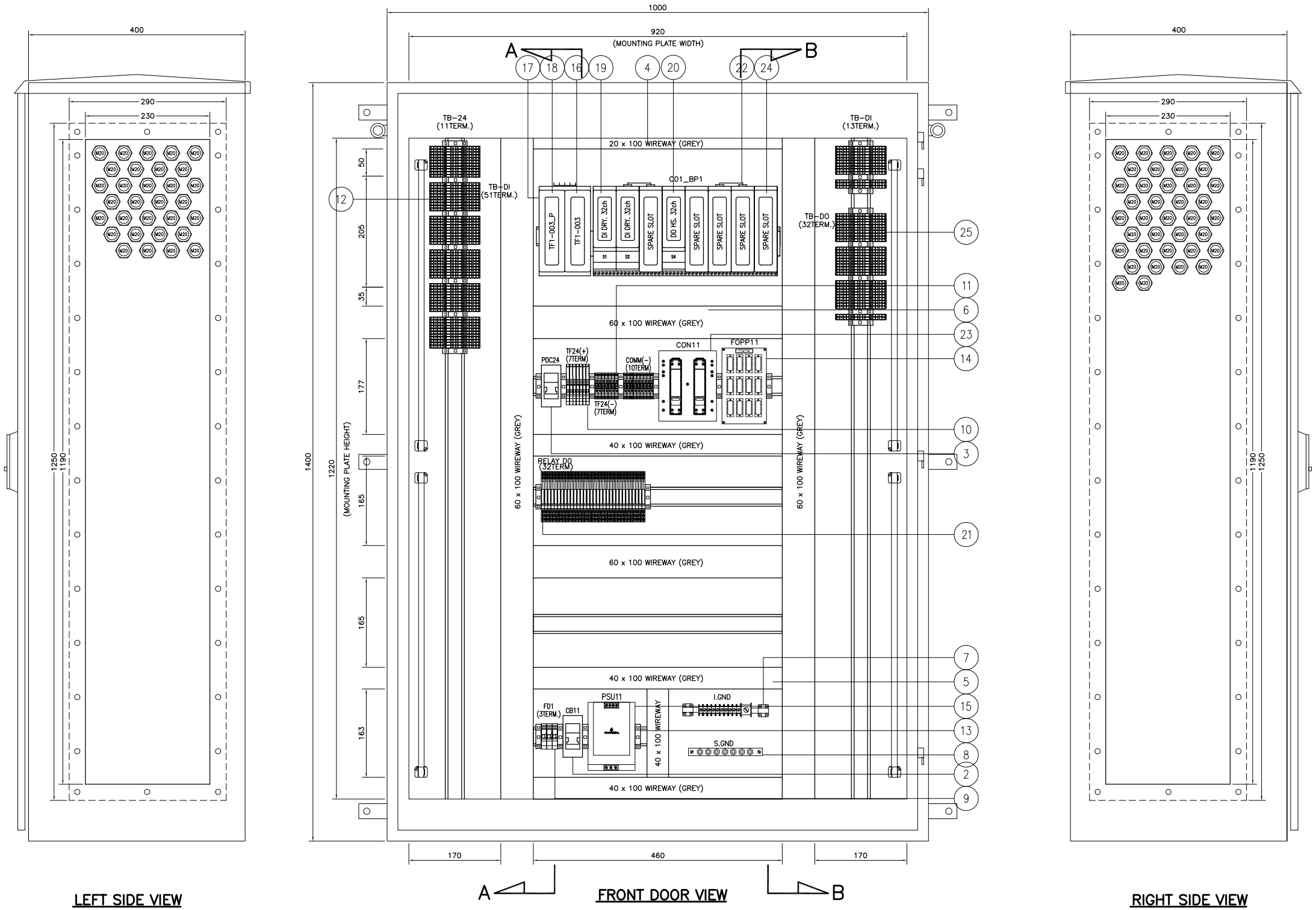

LEFT SIDE VIEW
RIO CABINET – TF1–RIO–003

FRONT DOOR VIEW
RIO CABINET – TF1–RIO–003

RIGHT SIDE VIEW
RIO CABINET – TF1–RIO–003

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS	SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF1–RIO–003 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 010
			UNITS: mm (inch)	© 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD–3262869–02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	17 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	64 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK	VE4001S2T2B4	2 PCS	EMERSON PROCESS
20	DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK	VE4002S1T2B5	1 PCS	EMERSON PROCESS
21	RELAY MODULE PLC–RSC–24DC/21	2966171	32 PCS	PHOENIX CONTACT
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	CARRIER BLANK CAP	VE6101	5 PCS	EMERSON PROCESS
25	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	43 PCS	WAGO
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TF1–RIO–003 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 011
REV.: 0

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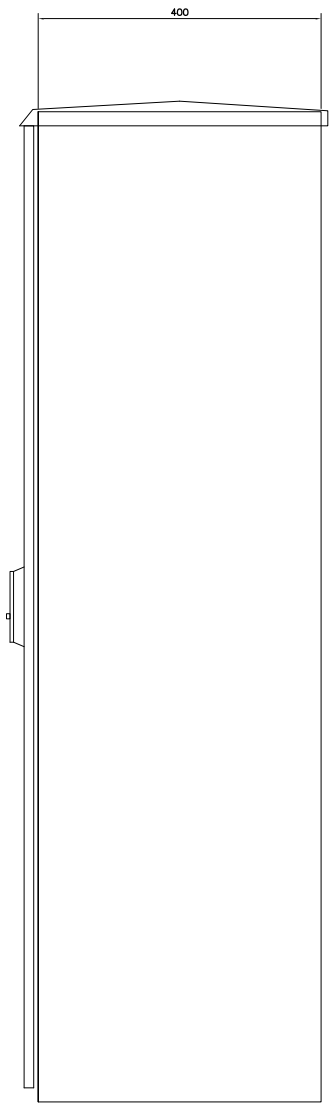
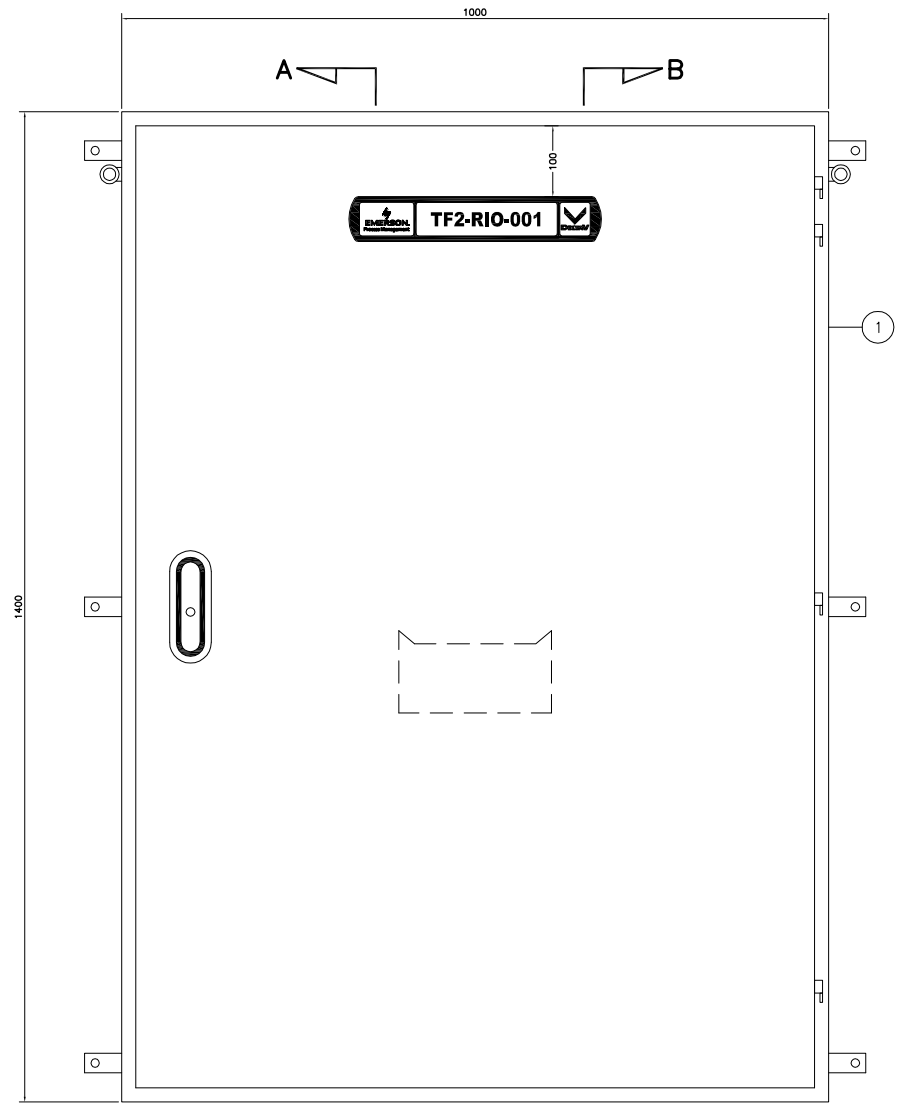
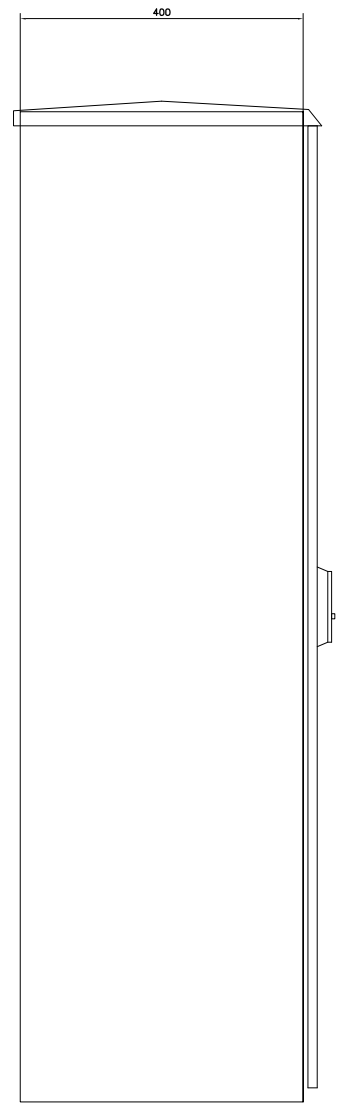


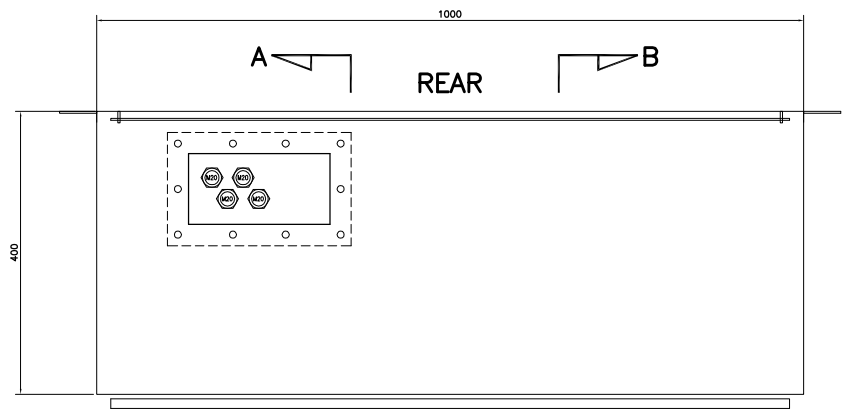
LEFT SIDE VIEW
RIO CABINET – TF2–RIO–001



A B
FRONT DOOR VIEW
RIO CABINET – TF2–RIO–001



RIGHT SIDE VIEW
RIO CABINET – TF2–RIO–001



A B
BOTTOM VIEW
RIO CABINET – TF2–RIO–001

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / UNITS: mm (inch)	SIZE: A3 / © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF2–RIO–001 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 012 REV.: 0

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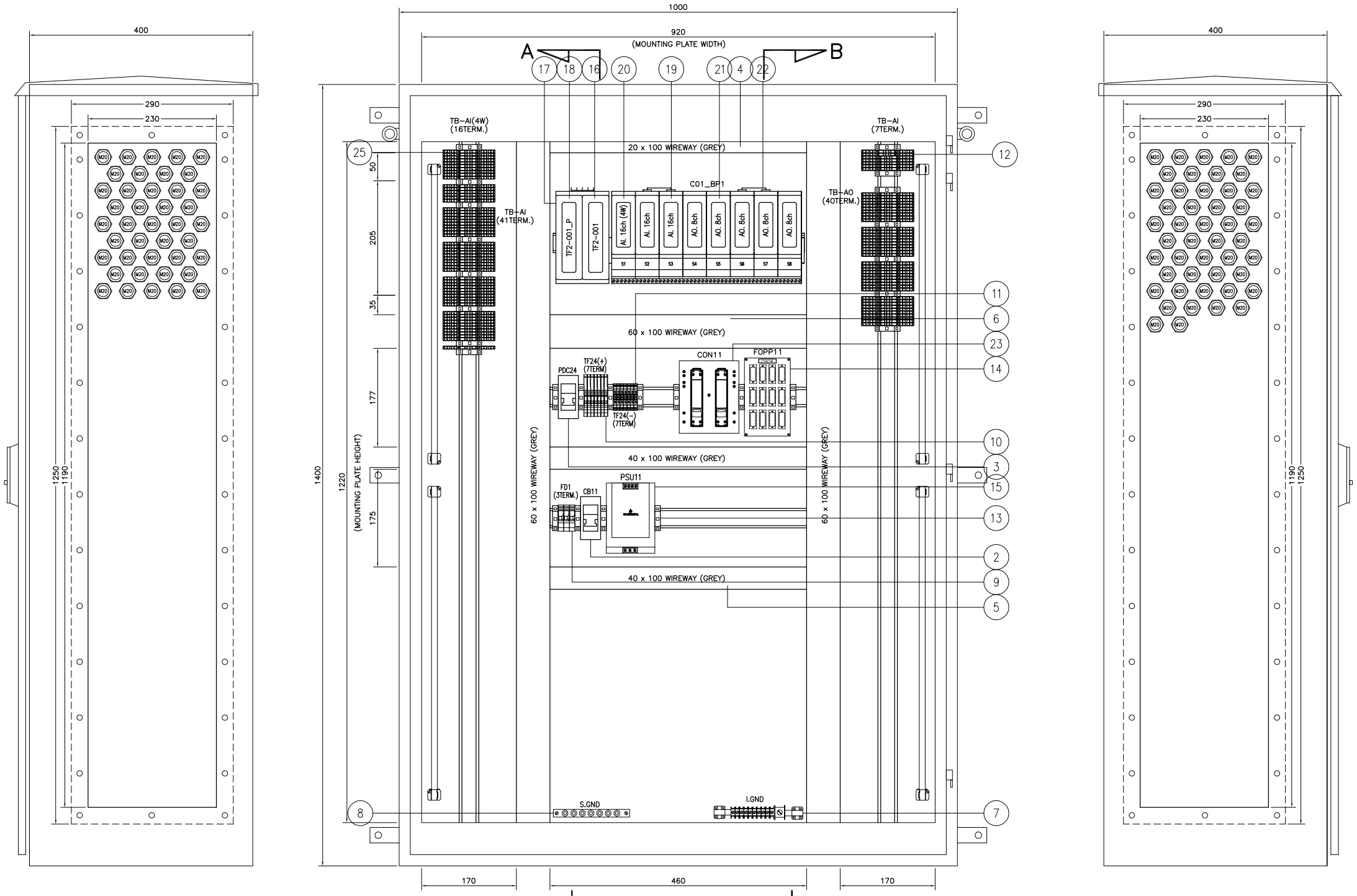

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS UNITS: mm (inch)	SIZE: A3 © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF2-RIO-001 (FRONT VIEW, SECTION A-A & SECTION B-B)	EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00015 CUSTOMER DRAWING NO.: –	SHEET NO: 013 REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD–3262869–02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	7 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	88 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; I/O TERMINATION BLOCK	VE4003S2B6	2 PCS	EMERSON PROCESS
20	ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; 4–WIRE; I/O TERMINATION BLOCK	VE4003S2B7	1 PC	EMERSON PROCESS
21	ANALOG OUTPUT, 8 CHANNELS 4–20 MA, HART, STANDARD I/O TERMINATION BLOCK	VE4005S2B1	5 PCS	EMERSON PROCESS
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	16 PCS	WAGO
25				
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TF2–RIO–001 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 014
REV.: 0

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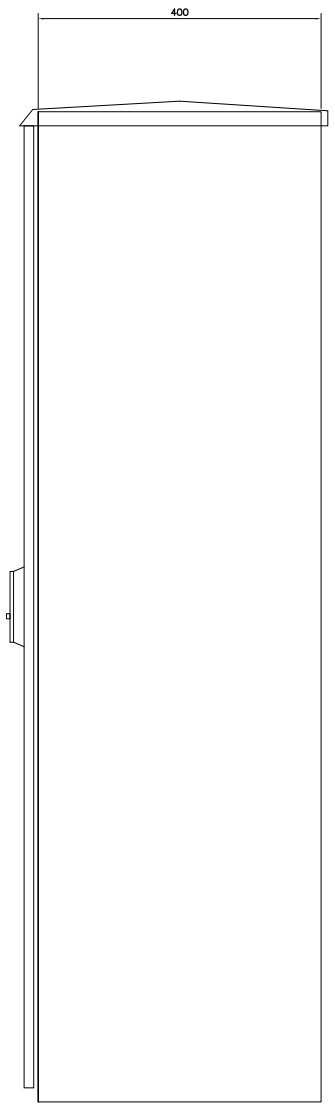
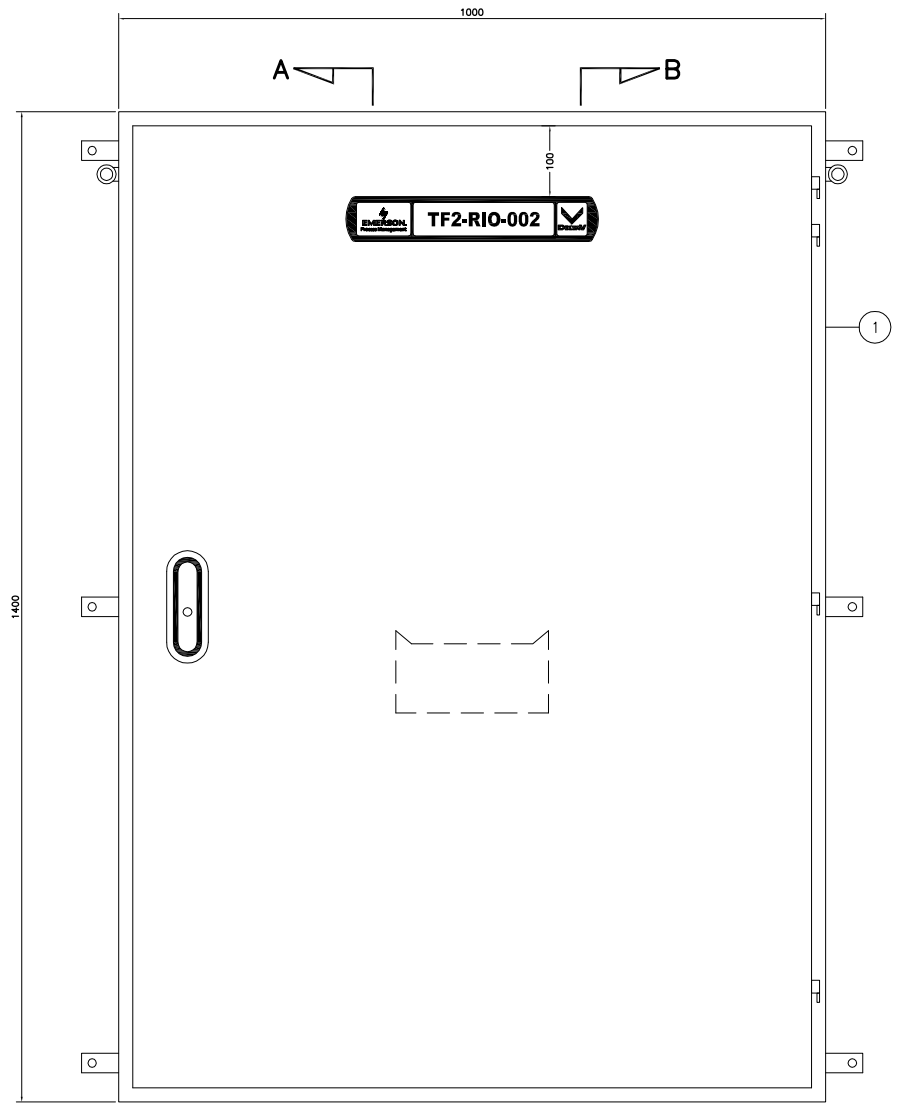
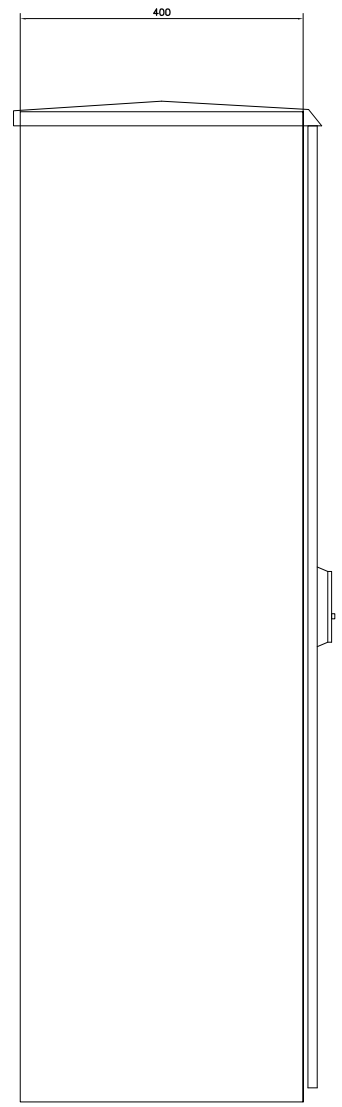


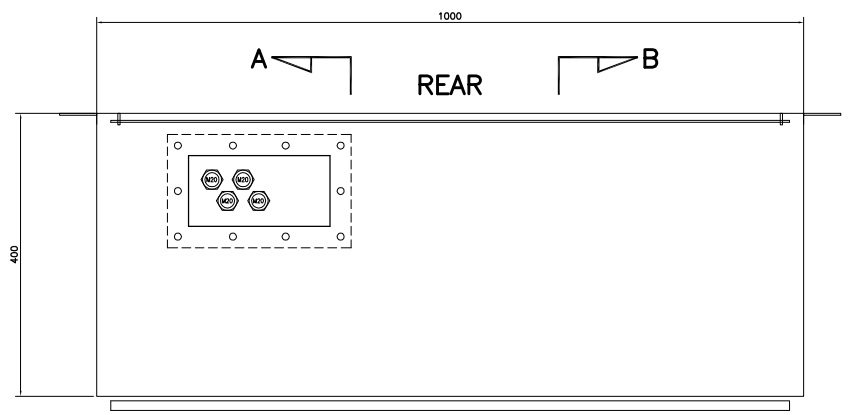
LEFT SIDE VIEW
RIO CABINET – TF2–RIO–002



A FRONT DOOR VIEW B
RIO CABINET – TF2–RIO–002



RIGHT SIDE VIEW
RIO CABINET – TF2–RIO–002



FRONT
A BOTTOM VIEW B
RIO CABINET – TF2–RIO–002

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF2–RIO–002 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 015
			UNITS: mm (inch) / © 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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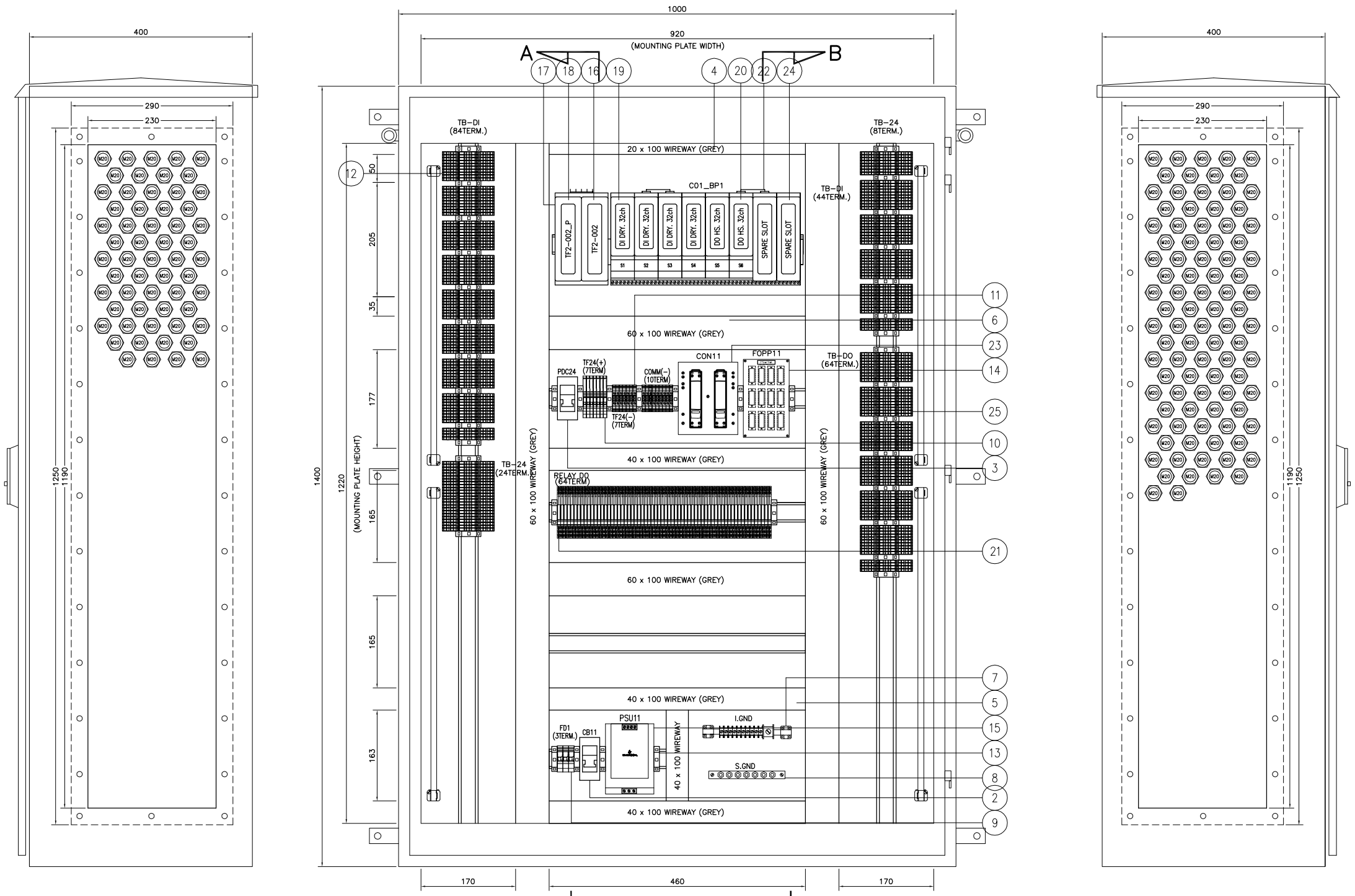

LEFT SIDE VIEW
RIO CABINET – TF2–RIO–002

FRONT DOOR VIEW
RIO CABINET – TF2–RIO–002

RIGHT SIDE VIEW
RIO CABINET – TF2–RIO–002

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS	SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF2–RIO–002 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 016
			UNITS: mm (inch)	© 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD-3262869-02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H-DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2-COND THROUGH TERMINAL BLOCK, 10MM SQ	2010-1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004-1611/1000-0541	7 PCS	WAGO
11	2-COND THROUGH TERMINAL BLOCK, 4MM SQ	2004-1201	17 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002-2671	128 PCS	WAGO
13	END STOPPER	249-117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100-240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2-WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK	VE4001S2T2B4	4 PCS	EMERSON PROCESS
20	DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK	VE4002S1T2B5	2 PCS	EMERSON PROCESS
21	RELAY MODULE PLC-RSC-24DC/21	2966171	64 PCS	PHOENIX CONTACT
22	8-WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	CARRIER BLANK CAP	VE6101	2 PCS	EMERSON PROCESS
25	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002-2611	96 PCS	WAGO
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TF2-RIO-002 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00015
CUSTOMER DRAWING NO.: –

SHEET NO: 017
REV.: 0

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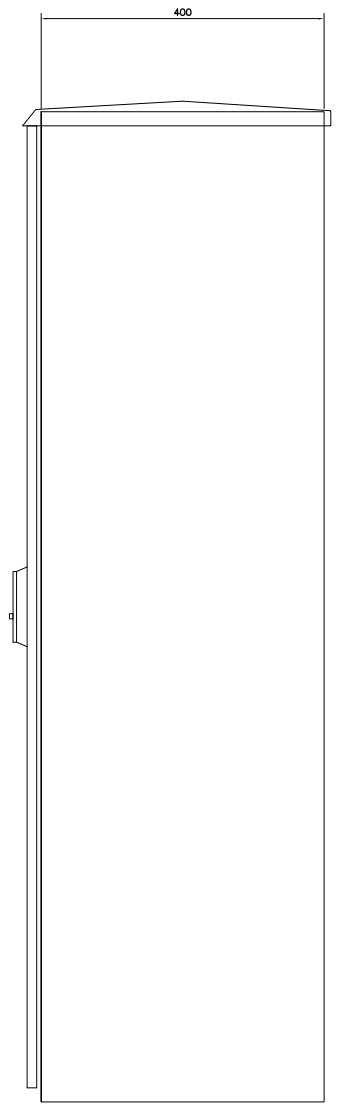
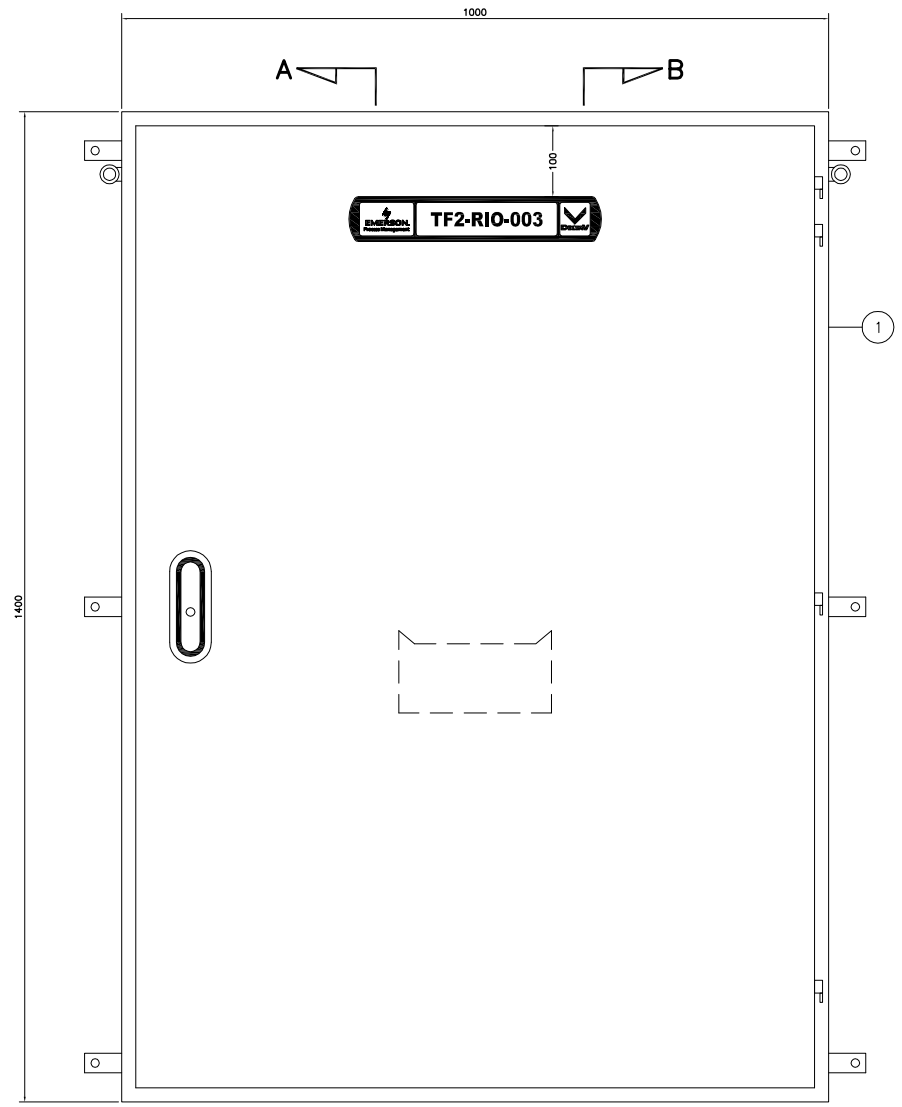
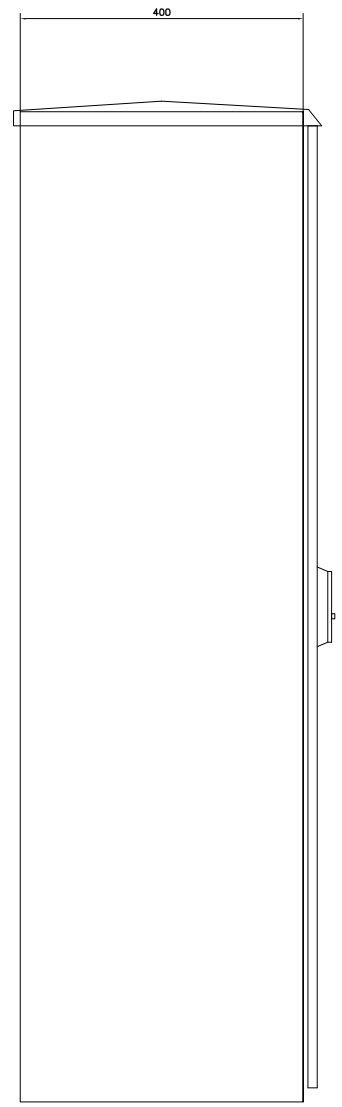


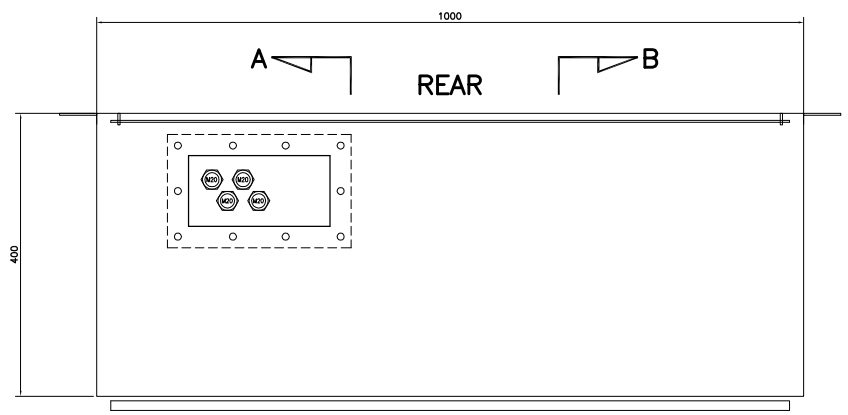
LEFT SIDE VIEW
RIO CABINET – TF2–RIO–003



A FRONT DOOR VIEW B
RIO CABINET – TF2–RIO–003



RIGHT SIDE VIEW
RIO CABINET – TF2–RIO–003



A BOTTOM VIEW B
RIO CABINET – TF2–RIO–003

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS	SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF2–RIO–003 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 018
			UNITS: mm (inch)	© 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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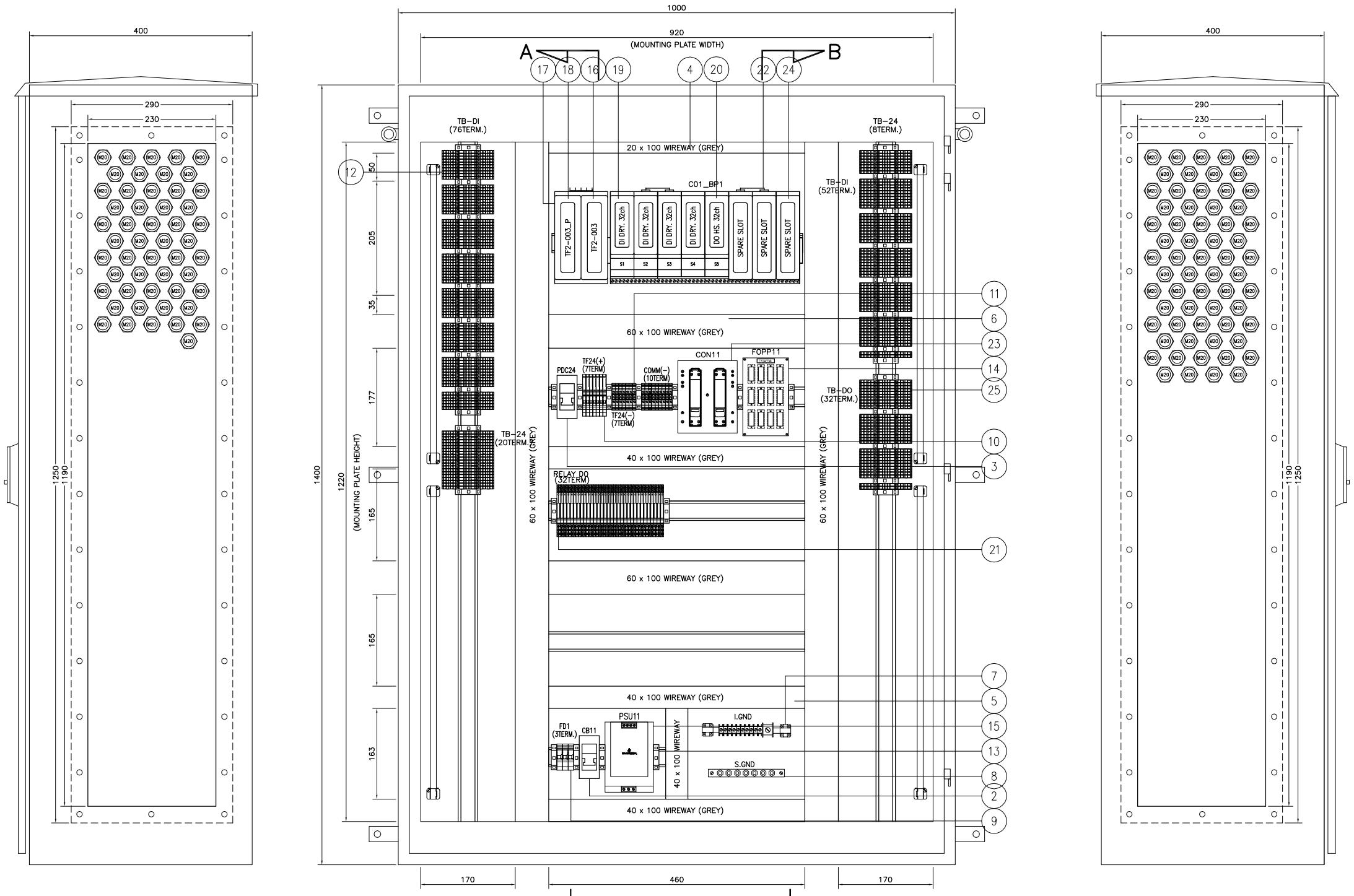

LEFT SIDE VIEW
RIO CABINET – TF2–RIO–003

FRONT DOOR VIEW
RIO CABINET – TF2–RIO–003

RIGHT SIDE VIEW
RIO CABINET – TF2–RIO–003

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS	SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TF2–RIO–003 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 019
			UNITS: mm (inch)	© 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD–3262869–02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	17 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	128 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK	VE4001S2T2B4	4 PCS	EMERSON PROCESS
20	DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK	VE4002S1T2B5	1 PC	EMERSON PROCESS
21	RELAY MODULE PLC–RSC–24DC/21	2966171	32 PCS	PHOENIX CONTACT
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	CARRIER BLANK CAP	VE6101	3 PCS	EMERSON PROCESS
25	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	60 PCS	WAGO
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TF2–RIO–003 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 020
REV.: 0

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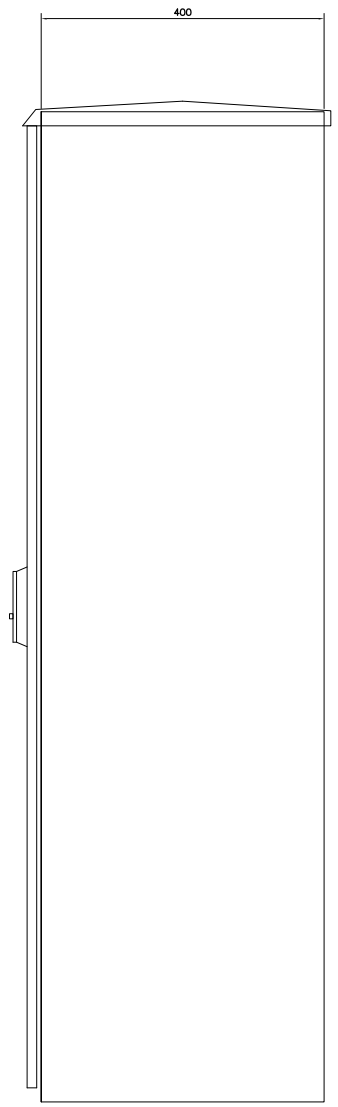
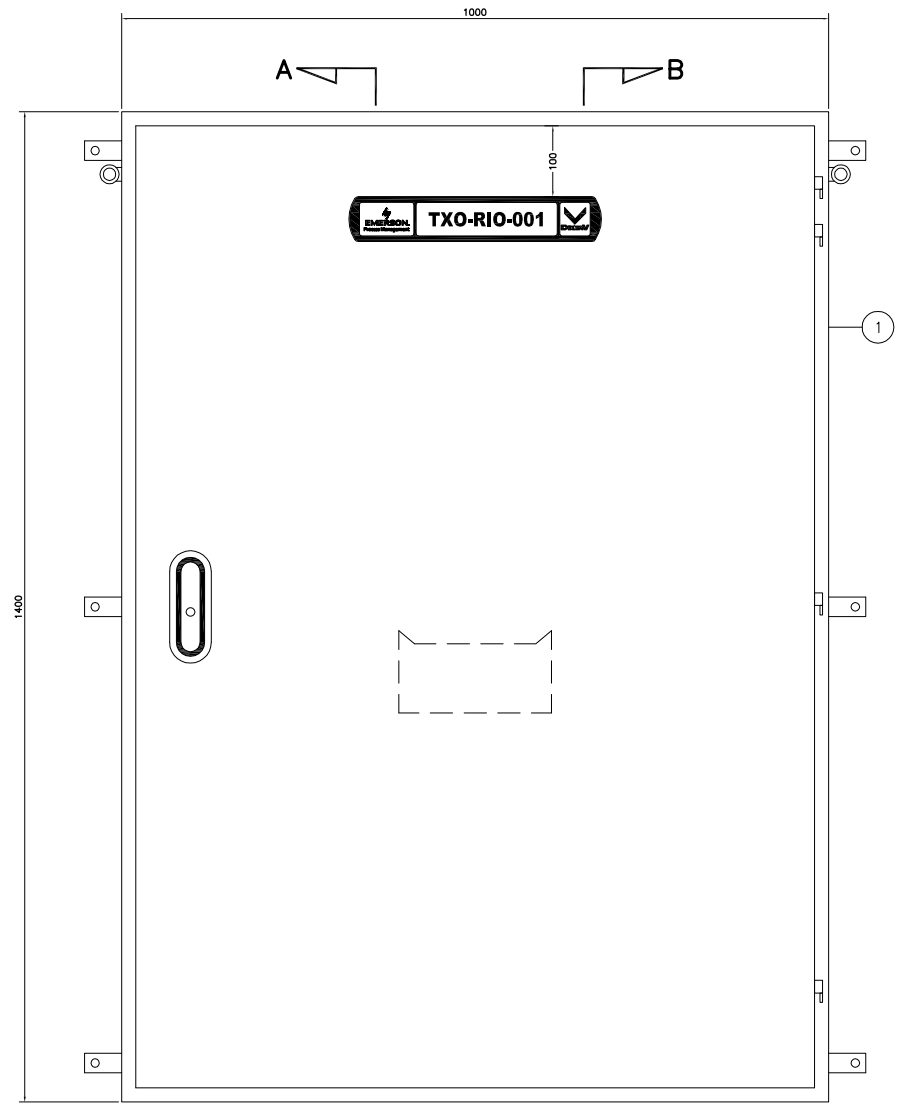
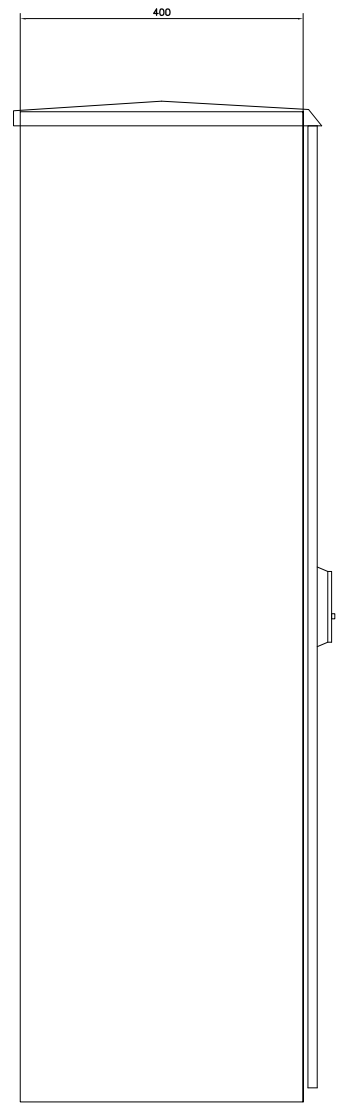


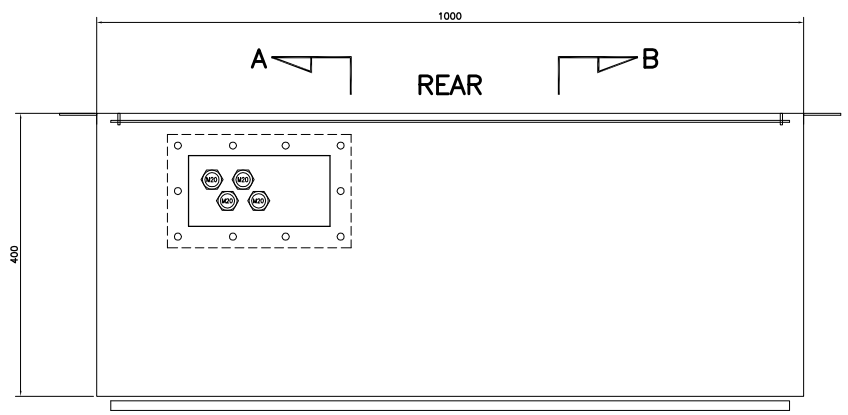
LEFT SIDE VIEW
RIO CABINET – TXO–RIO–001



A B
FRONT DOOR VIEW
RIO CABINET – TXO–RIO–001



RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–001



A B
BOTTOM VIEW
RIO CABINET – TXO–RIO–001

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / UNITS: mm (inch)	SIZE: A3 / © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–001 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 021 REV.: 0

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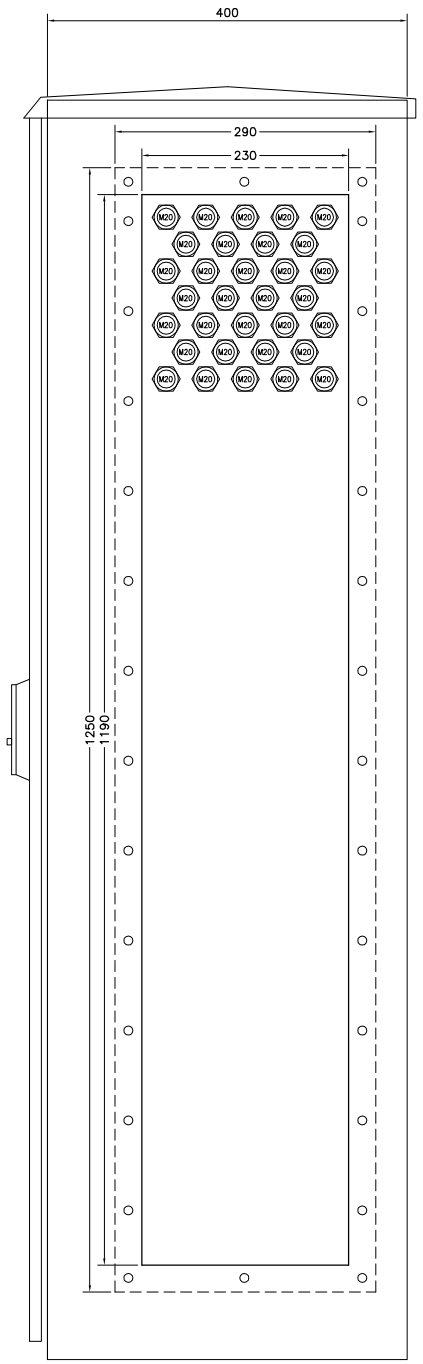
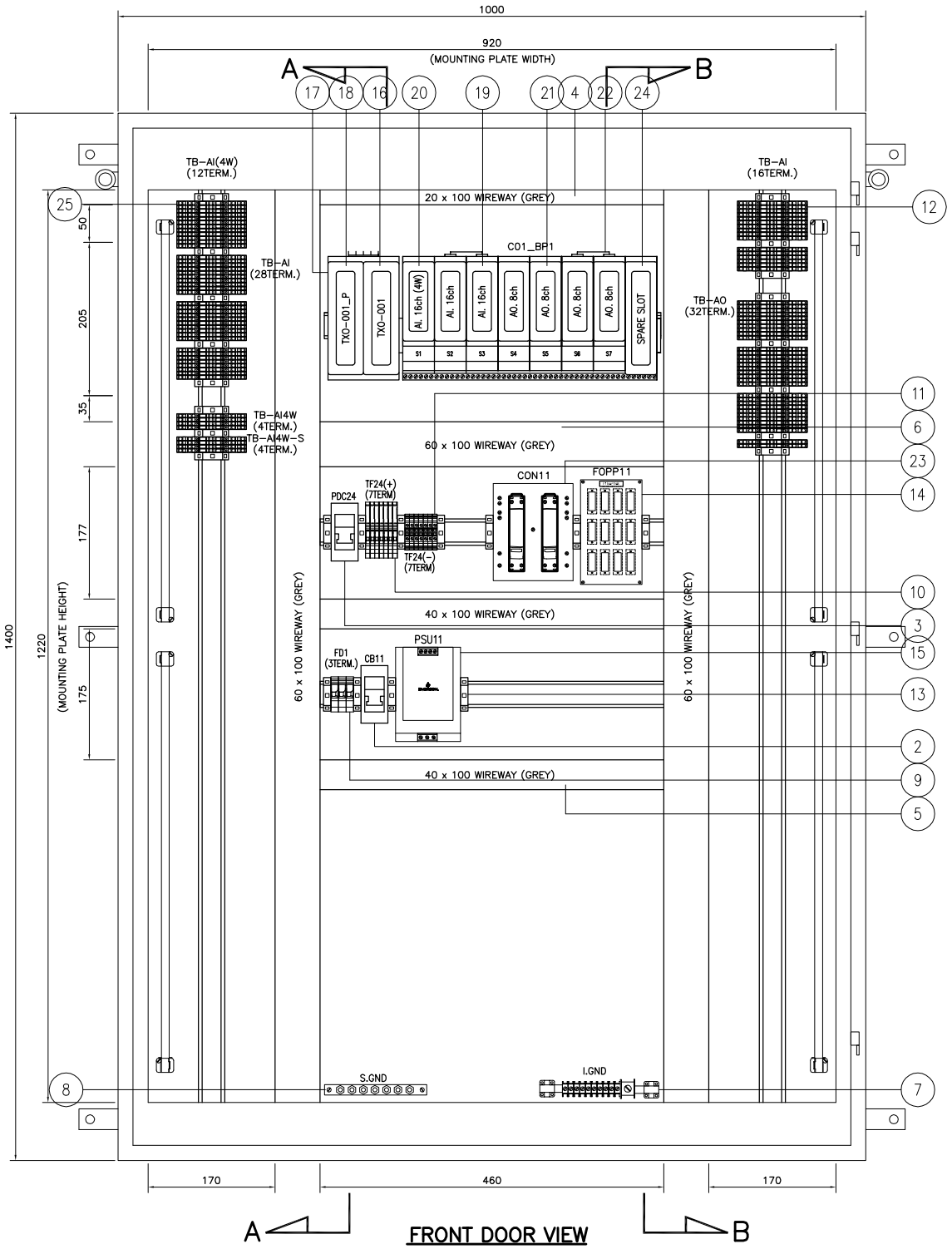
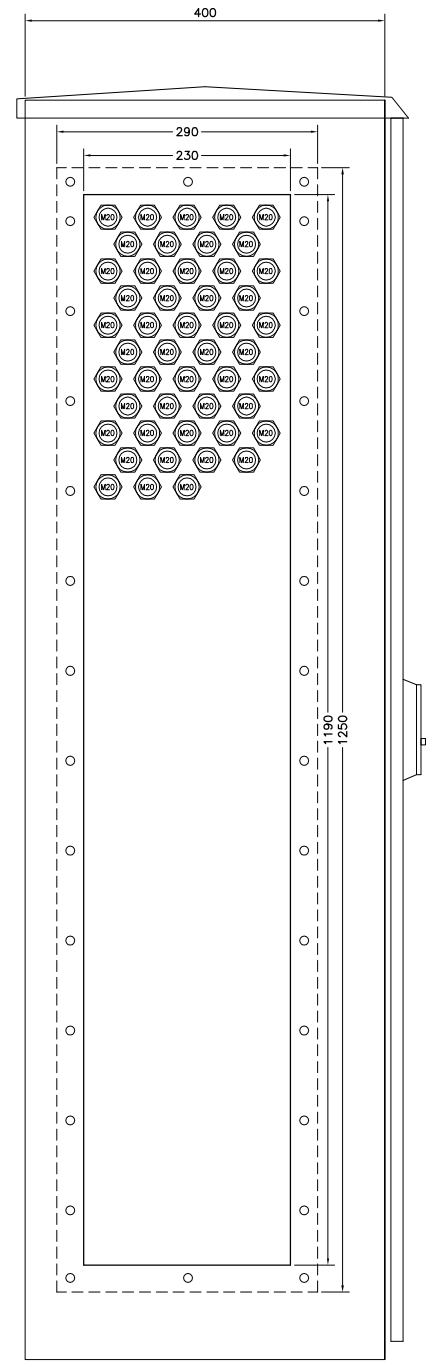


LEFT SIDE VIEW
RIO CABINET – TXO–RIO–001



FRONT DOOR VIEW
RIO CABINET – TXO–RIO–001



RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–001

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS UNITS: mm (inch)	SIZE: A3 © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–001 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 022 REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD–3262869–02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	7 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	80 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; I/O TERMINATION BLOCK	VE4003S2B6	2 PCS	EMERSON PROCESS
20	ANALOG INPUT CARD; 16 CHANNELS; 4–20 MA; HART; 4–WIRE; I/O TERMINATION BLOCK	VE4003S2B7	1 PC	EMERSON PROCESS
21	ANALOG OUTPUT, 8 CHANNELS 4–20 MA, HART, STANDARD I/O TERMINATION BLOCK	VE4005S2B1	4 PCS	EMERSON PROCESS
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	CARRIER BLANK CAP	VE6101	1 PC	EMERSON PROCESS
25	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	20 PCS	WAGO
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TXO–RIO–001 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 023
REV.: 0

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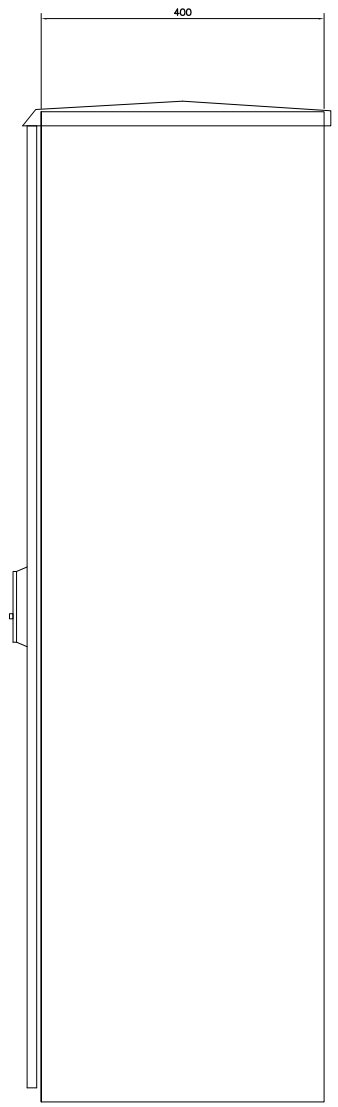
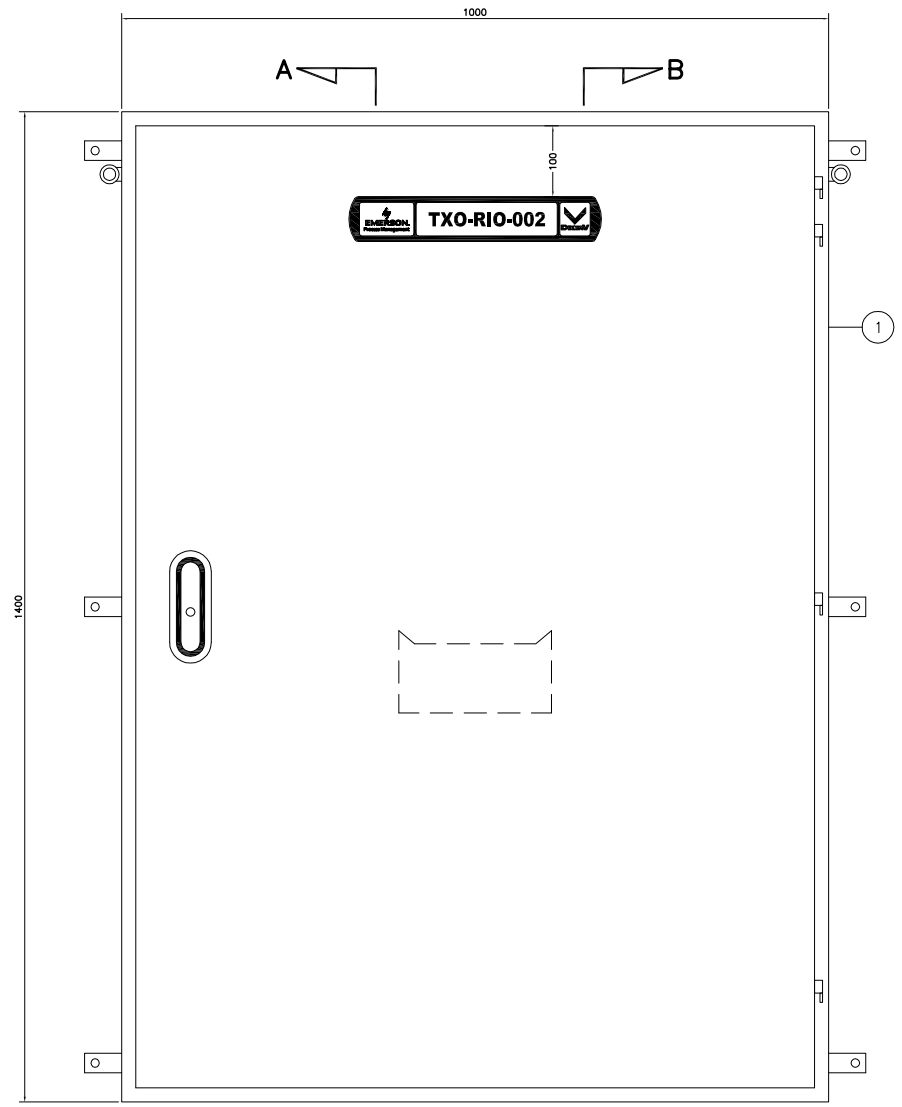
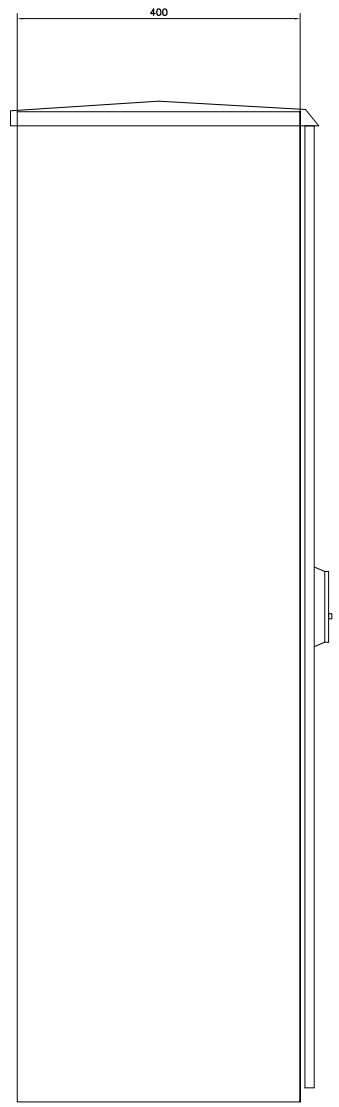


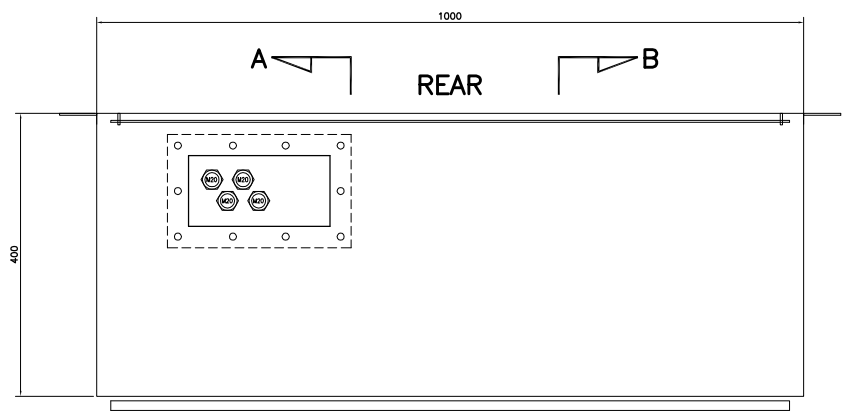
LEFT SIDE VIEW
RIO CABINET – TXO–RIO–002



A B
FRONT DOOR VIEW
RIO CABINET – TXO–RIO–002



RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–002



A B
BOTTOM VIEW
RIO CABINET – TXO–RIO–002

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / UNITS: mm (inch)	SIZE: A3 / © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–002 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 024 REV.: 0

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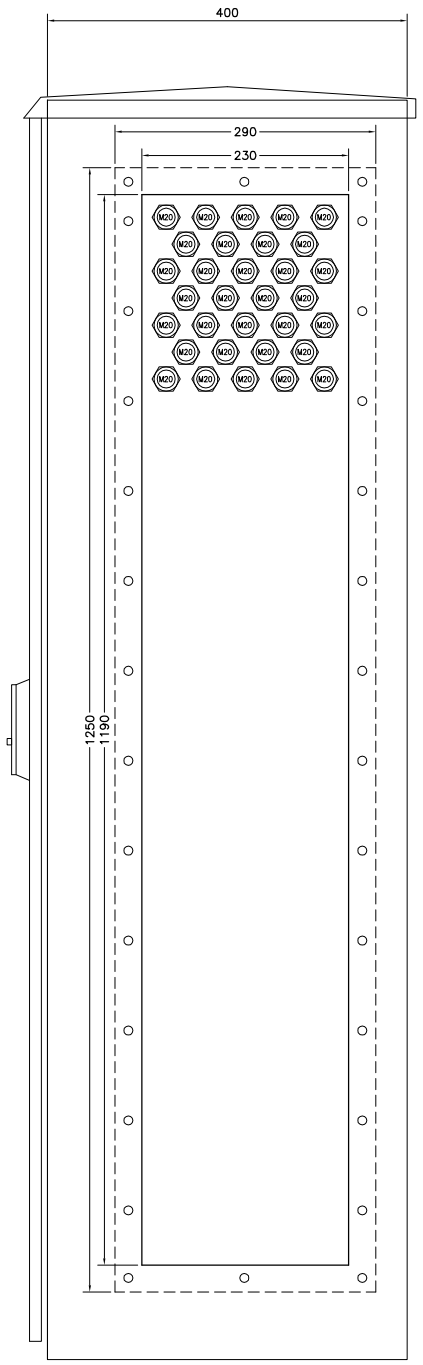
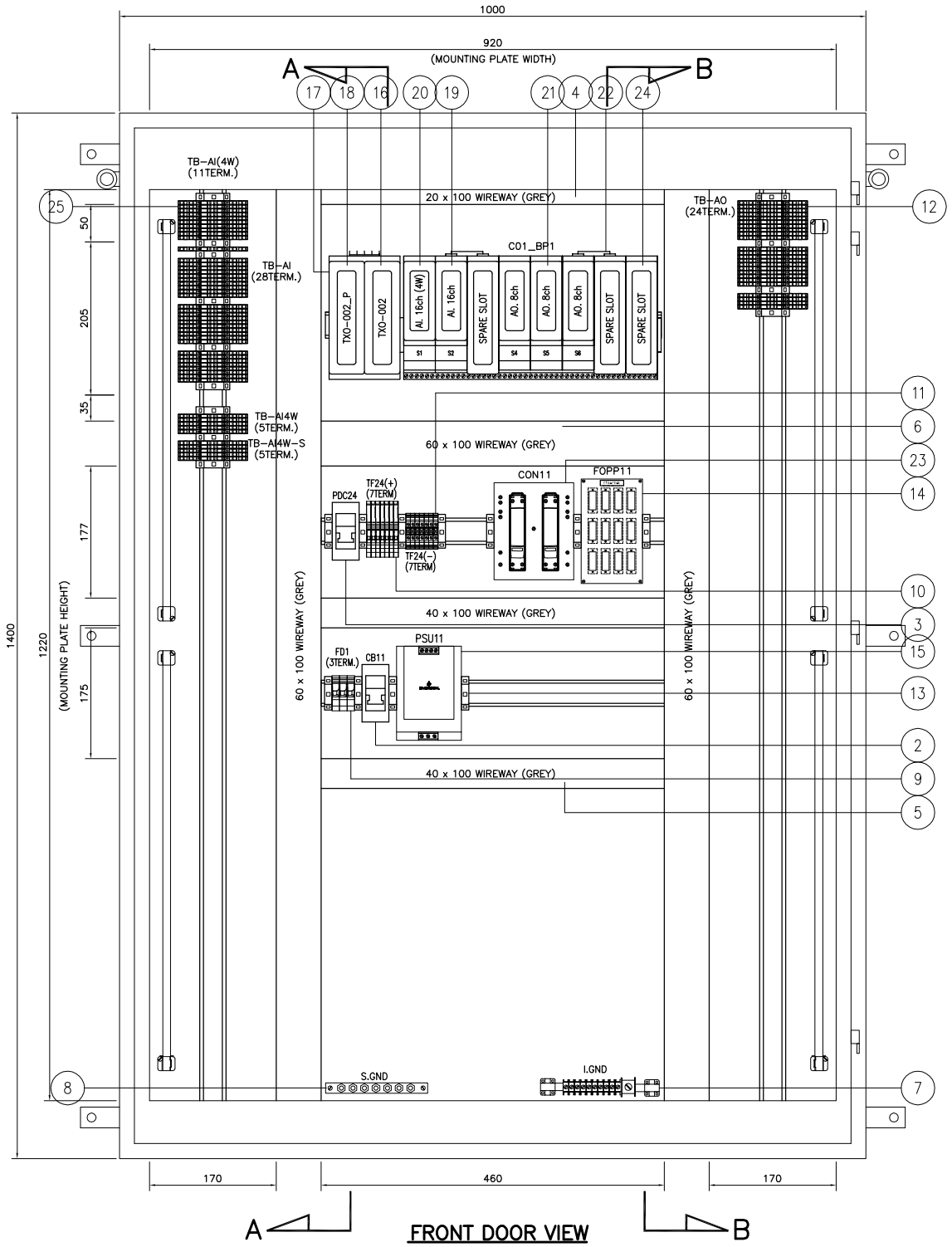
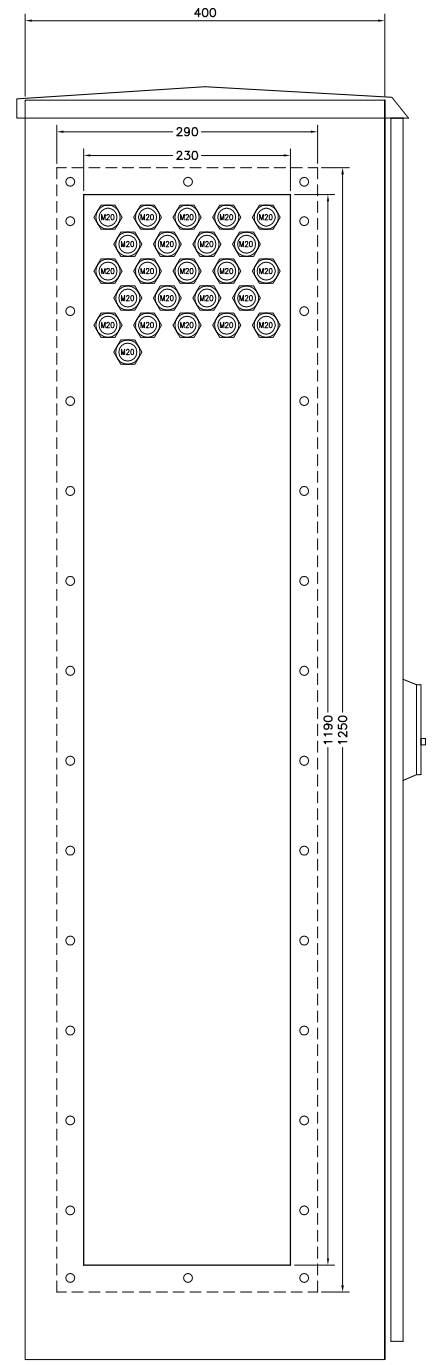


LEFT SIDE VIEW
RIO CABINET – TXO–RIO–002



FRONT DOOR VIEW
RIO CABINET – TXO–RIO–002



RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–002

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS / UNITS: mm (inch)	SIZE: A3 / © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–002 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 025 REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD-3262869-02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H-DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2-COND THROUGH TERMINAL BLOCK, 10MM SQ	2010-1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004-1611/1000-0541	7 PCS	WAGO
11	2-COND THROUGH TERMINAL BLOCK, 4MM SQ	2004-1201	7 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002-2671	57 PCS	WAGO
13	END STOPPER	249-117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100-240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2-WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	ANALOG INPUT CARD; 16 CHANNELS; 4-20 MA; HART; I/O TERMINATION BLOCK	VE4003S2B6	1 PC	EMERSON PROCESS
20	ANALOG INPUT CARD; 16 CHANNELS; 4-20 MA; HART; 4-WIRE; I/O TERMINATION BLOCK	VE4003S2B7	1 PC	EMERSON PROCESS
21	ANALOG OUTPUT, 8 CHANNELS 4-20 MA, HART, STANDARD I/O TERMINATION BLOCK	VE4005S2B1	3 PCS	EMERSON PROCESS
22	8-WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	CARRIER BLANK CAP	VE6101	3 PCS	EMERSON PROCESS
25	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002-2611	16 PCS	WAGO
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TXO-RIO-002 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585-PSS-PASH-DWG-00015
CUSTOMER DRAWING NO.: –

SHEET NO: 026
REV.: 0

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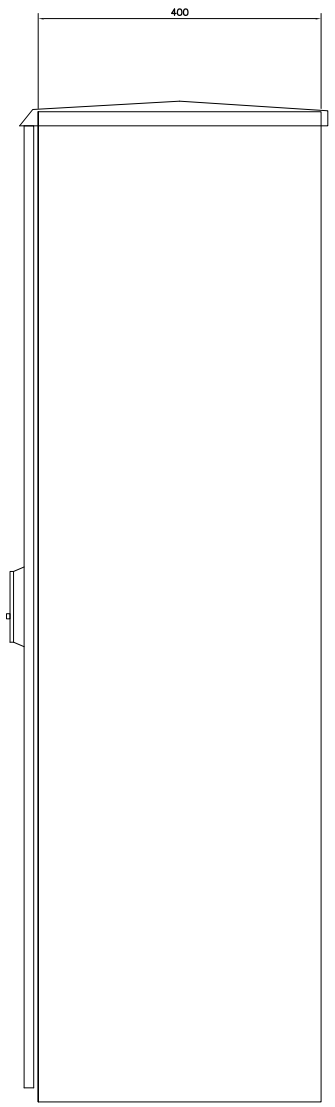
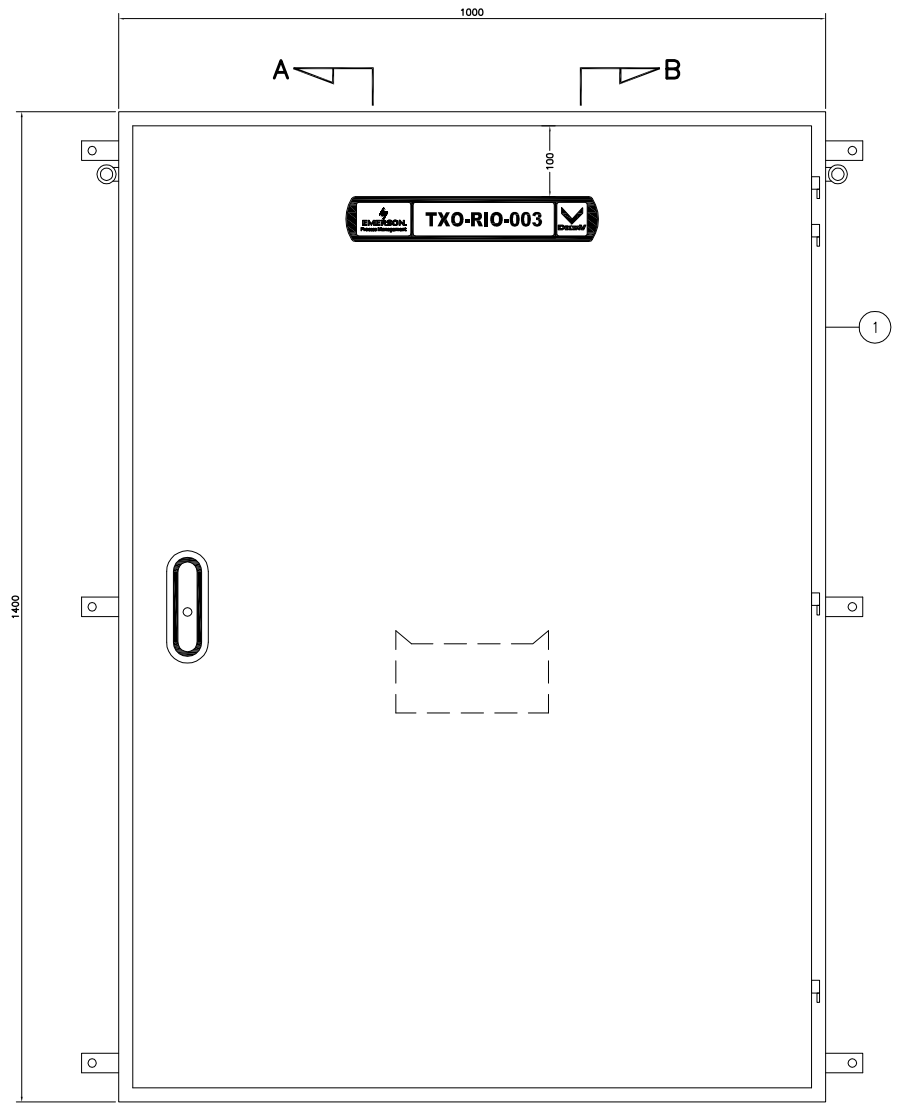
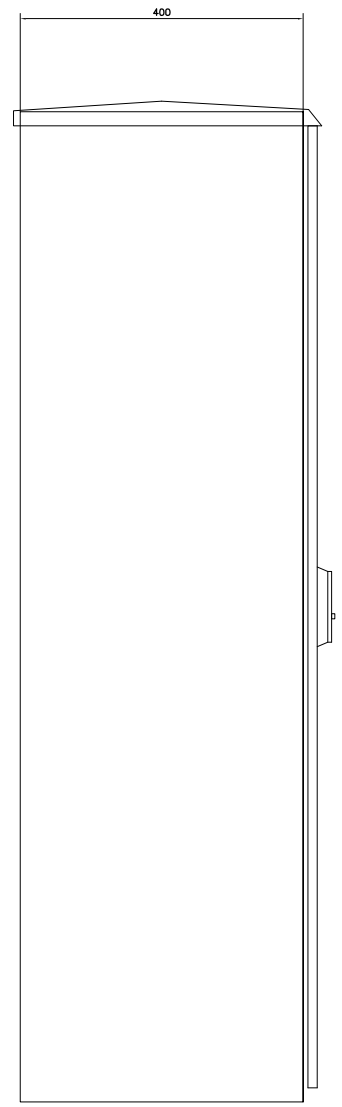


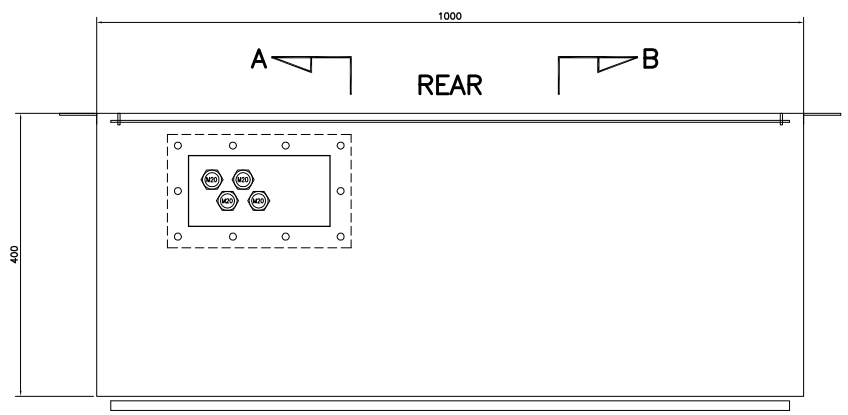
LEFT SIDE VIEW
RIO CABINET – TXO–RIO–003



A FRONT DOOR VIEW B
RIO CABINET – TXO–RIO–003



RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–003



FRONT
A BOTTOM VIEW B
RIO CABINET – TXO–RIO–003

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / UNITS: mm (inch)	SIZE: A3 / © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–003 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 027 REV.: 0

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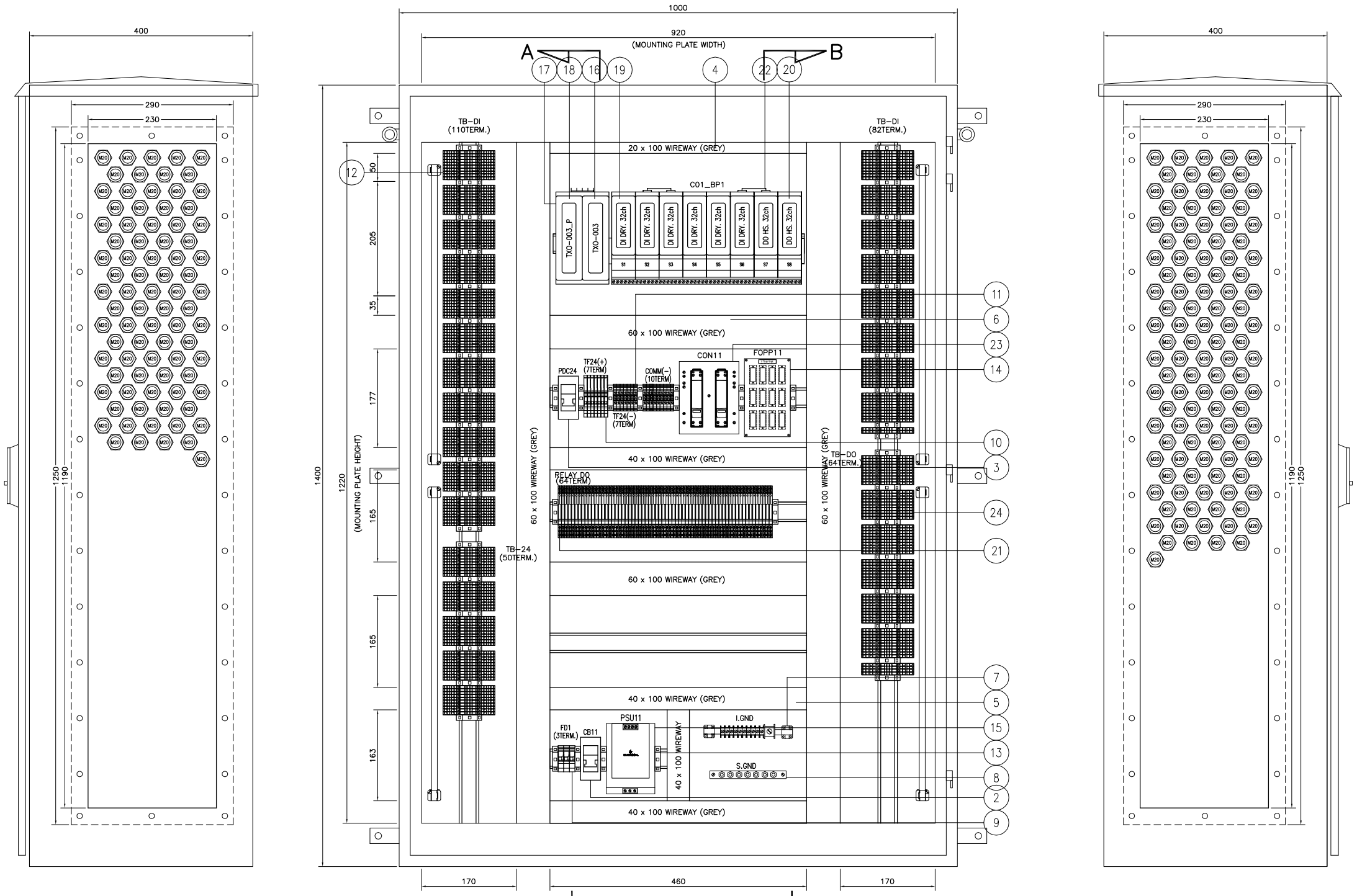

LEFT SIDE VIEW
RIO CABINET – TXO–RIO–003

FRONT DOOR VIEW
RIO CABINET – TXO–RIO–003

RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–003

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS UNITS: mm (inch)	SIZE: A3 © 2018	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–003 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015 CUSTOMER DRAWING NO.: –	SHEET NO: 028 REV.: 0

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	MANUFACTURER
01	RIO CABINET (W1000 X H1400 X D400) FRONT ACCESS	NKD–3262869–02	1 SET	GRP INDUSTRIES
02	AC MCB 2POLE (10A)	IK60N C10A	1 PC	SCHNEIDER
03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	17 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	192 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK	VE4001S2T2B4	6 PCS	EMERSON PROCESS
20	DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK	VE4002S1T2B5	2 PCS	EMERSON PROCESS
21	RELAY MODULE PLC–RSC–24DC/21	2966171	64 PCS	PHOENIX CONTACT
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	114 PCS	WAGO
25				
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TXO–RIO–003 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 029
REV.: 0

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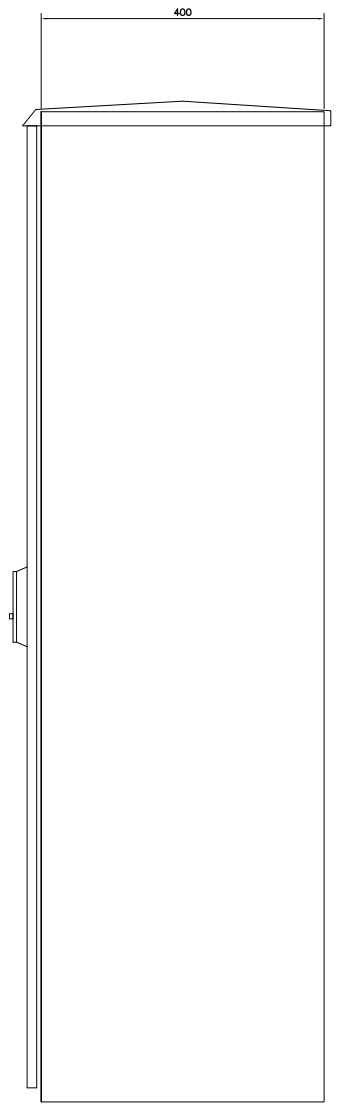
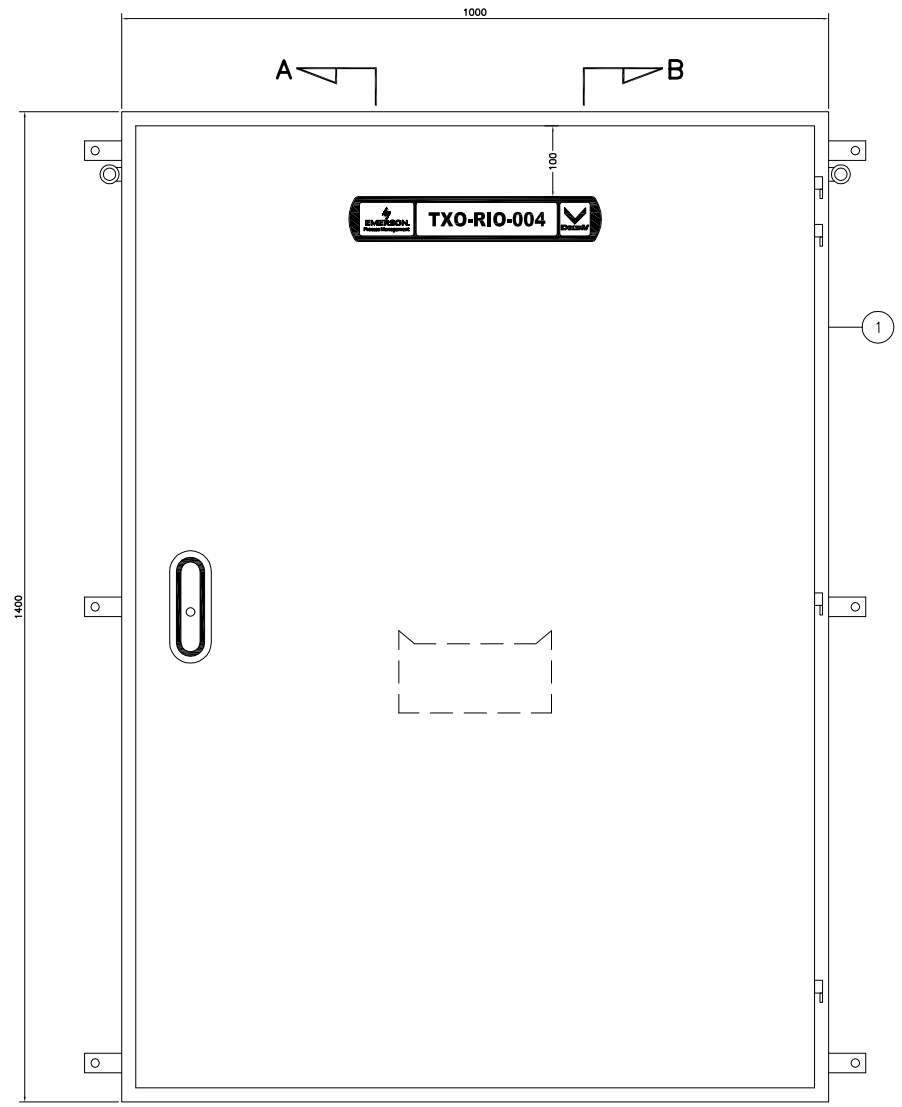
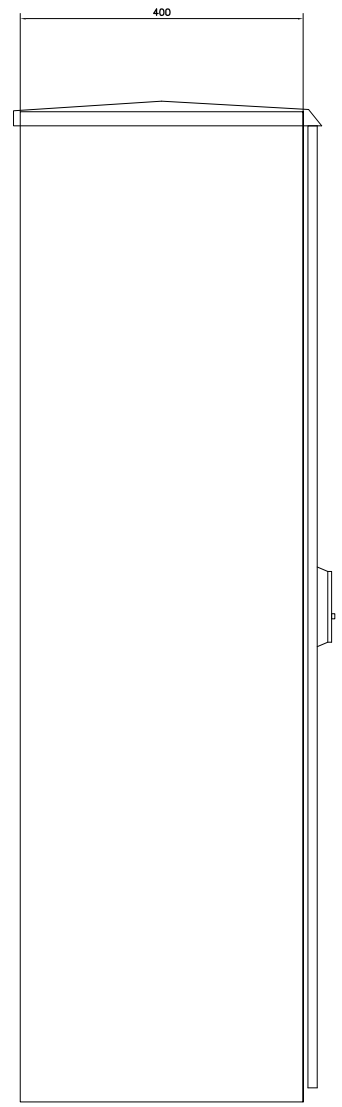


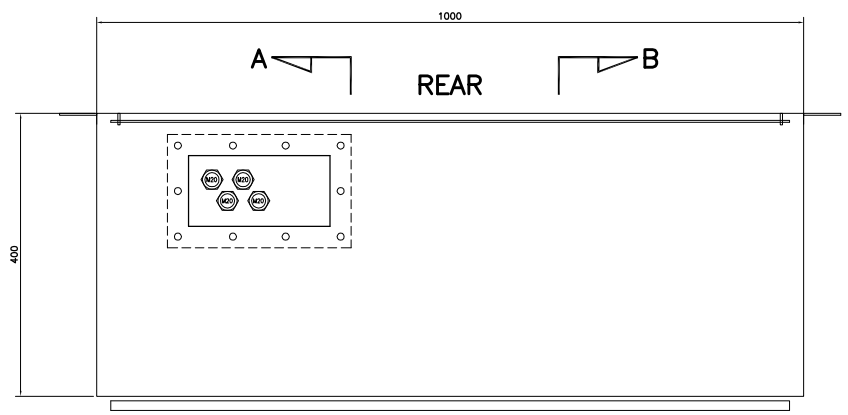
LEFT SIDE VIEW
RIO CABINET – TXO–RIO–004



A FRONT DOOR VIEW B
RIO CABINET – TXO–RIO–004



RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–004



A BOTTOM VIEW B
RIO CABINET – TXO–RIO–004

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON.	SCALE: NTS / SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–004 (FRONT DOOR VIEW, RIGHT SIDE & LEFT SIDE VIEW)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 030
			UNITS: mm (inch) / © 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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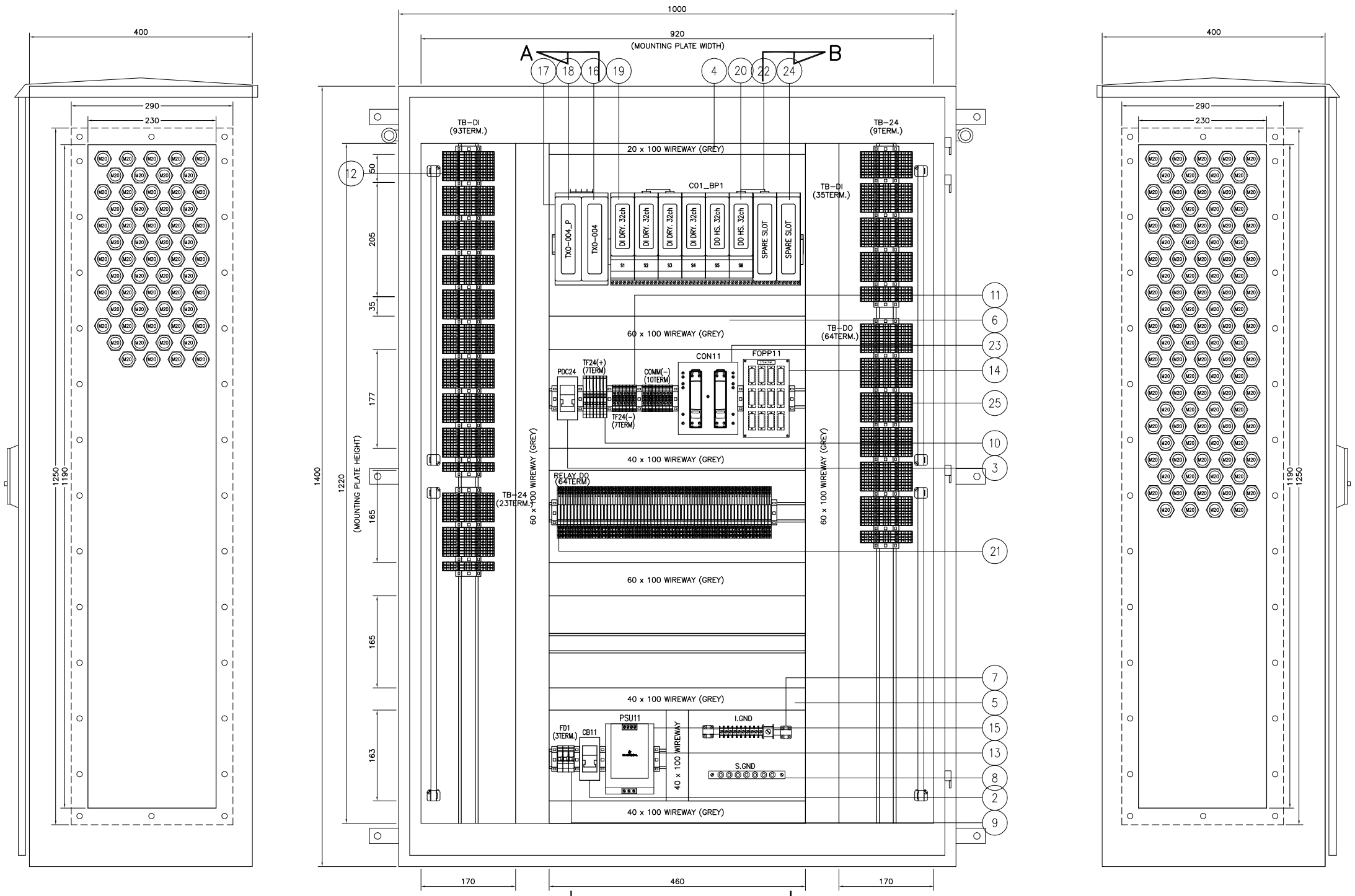

LEFT SIDE VIEW
RIO CABINET – TXO–RIO–004

FRONT DOOR VIEW
RIO CABINET – TXO–RIO–004

RIGHT SIDE VIEW
RIO CABINET – TXO–RIO–004

wilmar	PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	EMERSON	SCALE: NTS	SIZE: A3	EMERSON PROJECT NO.: 3258585 PROJECT TITLE: DCS SERANG PROJECT	TITLE: RIO CABINET – TXO–RIO–004 (FRONT VIEW, SECTION A–A & SECTION B–B)	EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015	SHEET NO: 031
			UNITS: mm (inch)	© 2018			CUSTOMER DRAWING NO.: –	REV.: 0

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BILL OF MATERIALS

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03	DC MCB 2POLE (20A)	C60H–DC C20A	1 PC	SCHNEIDER
04	20 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
05	40 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
06	60 X 100 mm PVC WIREWAY (GREY)	–	1 LOT	CONTRACTOR
07	INSTRUMENT GROUND BAR	–	1 LOT	CONTRACTOR
08	SAFETY GROUND BAR	–	1 LOT	CONTRACTOR
09	2–COND THROUGH TERMINAL BLOCK, 10MM SQ	2010–1201	3 PCS	WAGO
10	FUSE DISCONNECT TB WITH FUSE BLOW INDICATOR, 24VDC, 4MM SQ	2004–1611/1000–0541	7 PCS	WAGO
11	2–COND THROUGH TERMINAL BLOCK, 4MM SQ	2004–1201	17 PCS	WAGO
12	DOUBLE DECK DISCONNECT TERMINAL BLOCK, 2.5MM SQ	2002–2671	128 PCS	WAGO
13	END STOPPER	249–117	1 LOT	WAGO
14	FIBER OPTIC PATCH PANEL (BY OTHERS)	TBA	1 PC	TBA
15	DELTAV BULK POWER SUPPLY 100–240 V AC TO 24 V DC, 20A	VE5126	1 PC	EMERSON PROCESS
16	REMOTE INTERFACE UNIT FOR ZONE 2 REMOTE I/O	VE4021	1 PC	EMERSON PROCESS
17	2–WIDE POWER/CONTROLLER CARRIER	VE3051C0	1 PC	EMERSON PROCESS
18	ENHANCED SYSTEM POWER SUPPLY; (DUAL DC/DC) INPUT	VE5009	1 PC	EMERSON PROCESS
19	DISCRETE INPUT CARD: 32 CHANNELS 24 VDC; DRY CONTACT; TERMINATION BLOCK	VE4001S2T2B4	4 PCS	EMERSON PROCESS
20	DISCRETE OUTPUT CARD 32 CHANNELS 24 VDC; HIGH SIDE; I/O TERMINATION BLOCK	VE4002S1T2B5	2 PCS	EMERSON PROCESS
21	RELAY MODULE PLC–RSC–24DC/21	2966171	64 PCS	PHOENIX CONTACT
22	8–WIDE I/O INTERFACE CARRIER WITH CARRIER SHIELD BAR	VE3051C0	1 PC	EMERSON PROCESS
23	DUAL SINGLE MODE MEDIA CONVERTER ASSEMBLY	VE6060	1 PC	EMERSON PROCESS
24	CARRIER BLANK CAP	VE6101	2 PCS	EMERSON PROCESS
25	DOUBLE DECK FUSE TERMINAL BLOCK WITH INDICATOR, 2.5MM SQ	2002–2611	96 PCS	WAGO
26				
27				
28				

wilmar

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)

EMERSON.

SCALE: NTS | SIZE: A3
UNITS: mm (inch) | © 2018

EMERSON PROJECT NO.: 3258585
PROJECT TITLE: DCS SERANG PROJECT

TITLE: RIO CABINET – TXO–RIO–004 BILL OF MATERIAL

EMERSON DRAWING NO.: 3258585–PSS–PASH–DWG–00015
CUSTOMER DRAWING NO.: –

SHEET NO: 032
REV.: 0

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